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DIAGNOSTIC PROGRAM MANUAL
SIGMA 5 AND 7
CPU DIAGNOSTIC - FLOAT

March 1968

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RELATED PUBLICATIONS

The following publications contain supplementary information needed for understanding completely the Sigma 5/7 CPU Diagnostic Float Program.

<u>Publication Title</u>	<u>Publication No.</u>
Sigma 5 Computer Reference Manual	900959
Sigma 7 Computer Reference Manual	900095
Sigma 5 Computer Technical Manual *	901172
Sigma 7 Computer Technical Manual	901060
Sigma Symbol and Meta-Symbol Reference Manual	900952

* Not yet released

SECTION I
INTRODUCTION

1-1 SCOPE OF MANUAL

This manual describes the Float program designed for the Sigma 5 and 7 computers manufactured by Scientific Data Systems, Santa Monica, California.

This manual is made up of four sections. Section I is a general introduction to the Float program. Section II contains the program's operating procedures. Section III is a detailed description of the program's operation. Section IV contains the complete symbolic listing of the program, as generated by the Sigma metasymbol assembler. Also included in section IV are the listing and flow chart for the dual-purpose loader used for the Float test, and the T-charts depicting the register contents for each phase of floating multiply and divide instructions.

1-2 PROGRAM OBJECTIVES

The purpose of the Float program is to detect and diagnose malfunctions of the Sigma 5/7 floating point options.

1-3 GENERAL SPECIFICATIONS

Table 1-1 lists the general specifications for this program.

Table 1-1. General Specifications

Computer configuration	Any Sigma 5/7 computer with card reader or paper tape reader for program input
Memory size	4K (4096) words minimum

Table 1-1. General Specifications (Cont.)

Options	Keyboard printer or line printer for optional printed output
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Prerequisite tests are listed in table 1-2.

Table 1-2. Testing Prerequisites

Program	Prerequisite Program
Sense (Sigma 7 only)	None
Verify	None
Pattern	Verify
Auto	Verify, Pattern*
Suffix	Auto
Float	Auto
Interrupt	Auto
Protect	Suffix
Map (Sigma 7 only)	Suffix

*For the Auto test to run, block register 0 must be functioning correctly. Block 0 is tested by the Pattern program.

SECTION II
OPERATING INSTRUCTIONS

2-1 GENERAL

The Float diagnostic program employs a data-gathering technique for its operation. The program consists of a driver or control section followed by a number of test modules. Each module contains eight or twelve words of data prescribing a test. The driver program accesses each module in sequence, sets up the prescribed conditions, executes the specified instruction, and then tests the results for possible errors. A report of each test or error may be printed out or displayed on the control panel indicators.

2-2 LOADING PROCEDURE

Table 2-1 shows the recommended control panel switch settings. After the switches have been set as indicated, the following must be done:

- a. Clear the memory by simultaneously pressing the CPU RESET/CLEAR and SYS RESET/CLEAR pushbuttons.
- b. Set the UNIT ADDR switches to the address of the peripheral input device.
- c. Press the LOAD switch.
- d. Place the COMPUTE switch to RUN.

Table 2-1. Switch Settings for Program Loading

Switch	Setting
CONTROL MODE	LOCAL
WATCHDOG TIMER	NORMAL
INTERLEAVE SELECT	NORMAL
PARITY ERROR MODE	CONT
AUDIO	ON
CLOCK MODE	CONT
ADDR STOP	Off
SENSE	0

Upon being loaded with the switches set according to table 2-1, the program will automatically branch to the starting location and begin running.

2-3 OPERATING PROCEDURE

2-4 SUCCESS INDICATIONS

Provided that no errors occur, the program will run continuously through all test modules. After the last module has been completed, the program will start over, making another pass. A pass counter and an error counter are maintained by the program. These may be examined by setting SENSE switch 3 (SS3). After X'20' error-free passes, a message is output indicating that the real-time clocks have been implemented.

After completing each test module, the program reads SS3 and makes a report if the switch is set. Reports are normally made via the keyboard printer, device address 001. However, if no device responds to a TIO to that address and SS4 is off, the program halts at location X'1E9' with the report information contained in registers 1 through 4. The registers contain the following information:

- R1 Present list address
- R2 Error count
- R3 Pass count (bits 0-15), module count (bits 16-31)
- R4 Instruction tested

Figure 2-1 shows a typical printout from the keyboard printer resulting from setting SS3 after the program has made a number of successful passes.

2-5 ERROR INDICATIONS

When running with the sense switches off, the program will halt upon detecting an error. Before halting, however, the error will be reported via the output message device. If the device does not respond to a TIO, the program will halt at location X'1E9' with the alarm light on. See page 5 of the program listing for an explanation of the contents of registers 1 through 8.

A typical error printout is shown in figure 2-2.

The halt-on-error feature may be disabled by setting SS4. However, if operating in this mode without any output message device, the only error indication will be brief, possibly indistinguishable, flickers of the alarm light.

```

REAL TIME CLOCKS IN USE. TO DISABLE, CP INTERRUPT AND CLEAR R5

          FLOAT ERROR DISPLAY
LIST  ERRORS  PASSES  INST  IDENTIFIER  IS  SHOULD BE  DIFF
32400CE4 00000000 003200BD 1EC003E0
32400CF0 00000000 003200BE 1EC003E0
32400CFC 00000000 003200BF 3EC003E0
32400D08 00000000 003200C0 3EC003E0
    
```

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Figure 2-1. Sample of Printout Showing No Errors

```

          FLOAT ERROR DISPLAY
LIST  ERRORS  PASSES  INST  IDENTIFIER  IS  SHOULD BE  DIFF
32400408 00000001 00000000 1DC003E0 6000000C BF555556 BF555555 00000003
    
```

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Figure 2-2. Sample of Printout Showing Errors

The above error indications occur only for faults detected during execution of the test module. Spurious traps at any other point of the executive routine will cause a wait at location X'403'. (Refer to the listing at location X'403' for the procedure to be followed.) If the wait is cleared, the program will resume with the current test module.

Memory parity errors will cause a wait at location X'EE'. Byte 3 of register 4 will hold the contents of the memory fault indicators. Clear the wait to resume with the current test module.

Table 2-2 summarizes the various wait locations in the program.

Table 2-2. Wait Locations

Location (hex)	Reason for Halting
403	Erroneous trap
EE	Memory fault
1E9	Report or error
FB	Control panel interrupt

2-6 OPTIONS

Several optional features are incorporated into the FLOAT program to give the operator a more flexible tool for

diagnosing failures while still providing a quick means of detecting faults with a minimum of operator intervention.

2-7 Sense Switches

The uses of SS3 and SS4 have already been mentioned; further control is provided through SS1 and SS2, which allow the operator to repeatedly loop on a single test. Table 2-3 summarizes the functions of all four switches.

Table 2-3. Sense Switch Functions

Switch	Function
SS1	Short loop: when SS1 is set, the program continuously repeats the same test module. A minimum of instructions are executed to set up the necessary register and memory areas. No testing of results or other sense switches takes place
SS2	Long loop: when SS2 is set and SS1 reset, the program repeats the same module. All testing of results takes place and other sense switches are read
SS3	Report: when SS3 is set, the program reports at the completion of each test not been otherwise reported as the result of an error

(Continued)

Table 2-3. Sense Switch Functions (Cont.)

Switch	Function
SS4	Suppress error halt and report halt: when SS4 is set, the program will not halt on errors. Errors will still be reported via the keyboard printer, if available. Printing may be suppressed by turning the device off

2-8 Control Panel Interrupt

The control panel INTERRUPT button may be pressed any time the program is running to change certain parameters in the program. When the INTERRUPT button is pressed, the computer comes to a wait with address X'FB' in the instruction address register. Changes may be made by entering information into any or all of the registers described in table 2-4, then reading out the instruction from the instruction address location and returning the COMPUTE switch to RUN.

Table 2-4. Register Contents at Time of Interrupt

Register	Contents
R0	The IOP/Device address of the unit used for report or error messages. The address is in bits 16-31 and is initially set to 1 when the program is loaded Device selection: the program tests bit 0 to determine whether to use the typewriter or the line printer output routines. This bit is initially set to zero, indicating that the output device is the typewriter. Setting a one in bit zero and changing the address in bits 16-31 causes all messages to be output on the line printer
R1	The memory address of the current or most recently completed test module Test selection: when the machine is returned to RUN the program will begin testing with the module addressed by R1. The first three hexadecimal characters must be 324. The last five hexadecimal characters will be the test module address. The operator may insert any valid module address he wishes and set SS1 or SS2 to loop on that module

Table 2-4. Register Contents at Time of Interrupt (Cont.)

Register	Contents
R5	Register bits 16-19, used to arm and enable the count pulse interrupts Count pulse interrupt level selection: Normally, if no errors have occurred, the program automatically arms and enables the four count pulse interrupt levels upon making the twentieth pass. The operator may suppress this feature by clearing R5 when the wait occurs for the control panel interrupt. Or he may selectively disable only some of the count pulse interrupts. He also has the option of later reenabling the levels by again interrupting and changing R5 Bits other than 16-19 of R5 have no effect on interrupt

2-9 I/O COMPATIBILITY

See page 4 of the program listing, section IV.

2-10 TEST SELECTION

The operator may select any test module to begin running by using the control panel INTERRUPT as described in paragraph 2-8 and table 2-4. He may likewise loop on a selected test by setting SENSE switch 1 or 2 before starting up again.

The operator may also loop on a particular test by setting SS1 or SS2 when that test is being reported either by the keyboard printer or by a report or error halt.

2-11 RESTART PROCEDURE

The program may be restarted from location X'100'. When loaded, the program inserts an unconditional branch to that location in address X'26' so that normally the CPU can be restarted by pressing the RESET button and setting the COMPUTE switch to RUN.

2-12 REAL-TIME CLOCK FEATURE

This feature is used to test instruction interruptibility. After X'20' error free passes, all four count pulse interrupt levels will be armed and enabled. To inhibit this feature, do either of the following:

- a. Perform a control panel interrupt and modify R5 as described in paragraph 2-8 and table 2-4.
- b. While the program is loading, place SS1 to On. The program will wait at location X'275'. Turn SS1 off and clear the wait. Normal execution of the program will occur.

SECTION III
PROGRAM DESCRIPTION

3-1 GENERAL

A simplified flow chart is given in figure 3-1 to illustrate the general philosophy of the program's operation. When loaded, the Float program automatically branches to its starting location and begins running. Initialization takes place where various parameters are set up, and a branch instruction is inserted in location X'26' to facilitate restarting, should the RESET button be depressed.

The program accesses each test module in turn and sets up all the test conditions as prescribed by the module. The instruction contained in the module is executed and then SENSE switch 1 is tested to determine whether the short loop mode is in effect. If SS1 is set, the program repeats a minimum amount of the setup procedure for the same test module and again executes the instruction. No results are examined in the short loop mode.

If not operating in the short loop (that is, if SS1 is reset), the program proceeds to compare the results of the test with the expected results. The resultant contents of all registers and memory operands are prescribed by the test module. Other items are also tested, such as the instruction location, the location following the instruction, the indirect address location, and the program status doubleword.

When an error is detected, or if SS3 is set, the program makes a report normally via the keyboard printer. The reports may be switched over to a line printer, if desired (see paragraph 2-8, Control Panel Interrupt). When no printing device is available, the program makes its reports by executing a wait with the information stored in general registers 1 through 8.

After results have been checked and reports, if any, have been completed, SENSE switch 2 is read. If SS2 is set to 1, the program goes through the entire setup, test, and report procedure for the same test module it just finished. If SS2 is reset to 0, then the module pointer is updated so that a new test is performed on the next cycle.

3-2 TEST MODULE

See the location X'3C4' (Table) in the program listing, section IV, for an identification of test module components.

Each test module is relocated to the previously-cleared table area. The listing describes the meaning of each word. Program status word 1 (PSW1) is somewhat misleading, since only bits 0-11 are used. Bits 12-31 are used as a

linkage address to allow the driver to prepare for any expected traps which may result from executing an instruction.

3-3 OUTPUT MESSAGE ANALYSIS

Refer to figure 3-2 for a sample Float error display. The headings on the error printout correspond to the register contents after error halts.

LIST	324xxxxxx Present list address: 324 is LW,4; xxxxxx is the first memory location of the test module
ERRORS	Total number of errors since initial load or last restart
PASSES	Pass count and test module count
INST	Instruction under test
IDENTIFIER	Error identifier and address (see page 4 of program listing section IV)
IS	Erroneous result
SHOULD BE	Predetermined result
DIFF	Result of an exclusive Or of the Is and Should Be columns

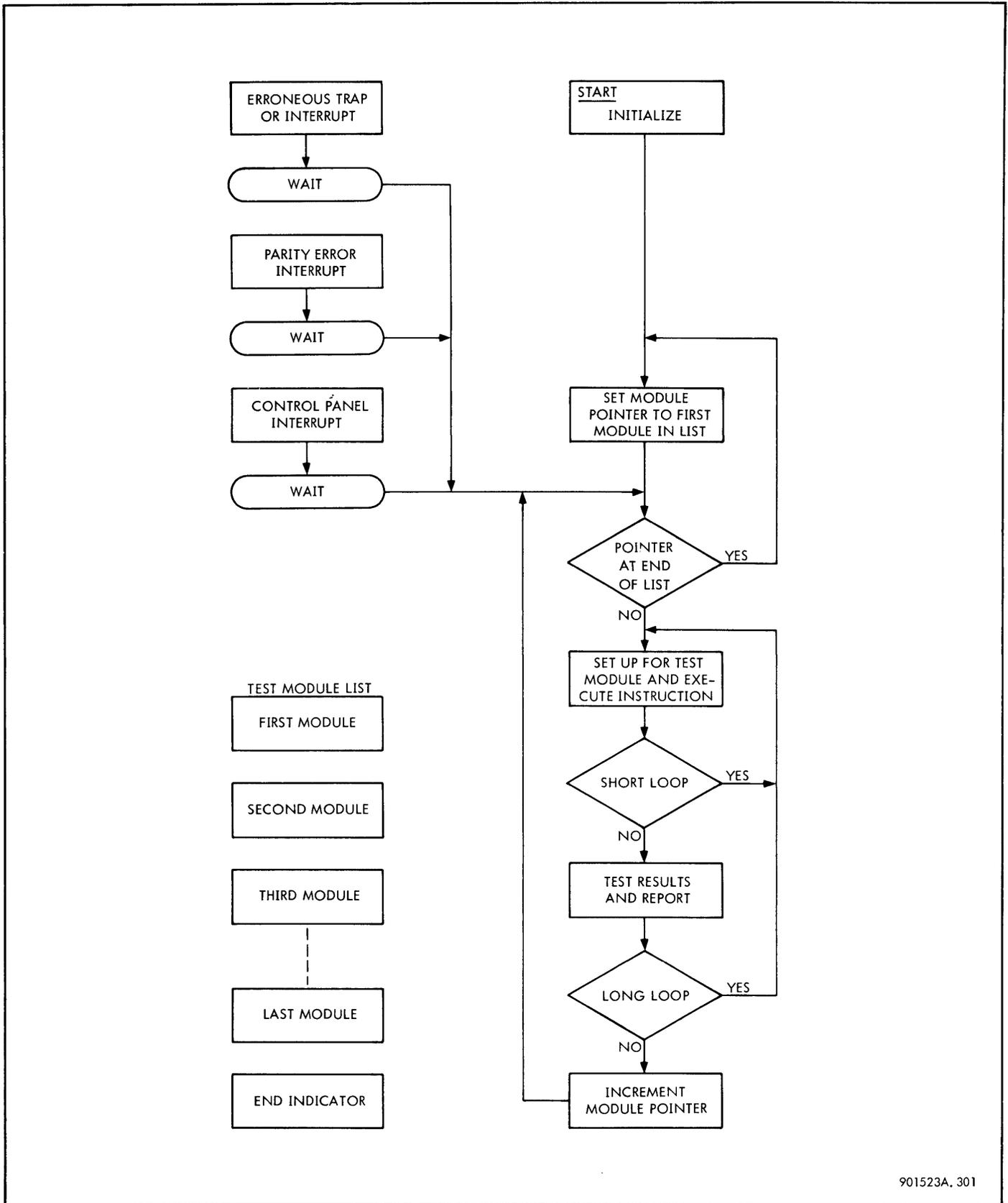
3-4 USE OF PRINTOUT FOR TROUBLESHOOTING

Figure 3-2 is needed for making the following analysis.

More failures would have been reported had the printout been allowed to continue. However, since the first seven failures were on floating add long (FAL), determined from the Inst column, and since there were no floating add short failures, there should be sufficient information to analyze the failure pattern.

The first point of interest is that only register C is failing.

Next, analysis of the Is and Should Be columns show that adding one to the Is number results in the Should Be number.



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Figure 3-1. Float Program, Simplified Flow Chart

LIST	ERRORS	PASSES	FLOAT ERROR DISPLAY				
			INST	IDENTIFIER	IS	SHOULD BE	DIFF
32400408	00000001	00000000	10C003E0	6000000C	BF555554	BF555555	00000001
32400420	00000002	00000002	10C003E0	6000000C	407FFFFFF	40800000	00FFFFFF
3240042C	00000003	00000003	10C003E0	6000000C	40FFFFFF	41100000	01FFFFFF
32400444	00000004	00000005	9DCE0284	6000000C	4000007E	4000007F	00000001
32400450	00000005	00000006	9DC003DA	6000000C	BFFFFFFCF	BFFFFFFD0	0000001F
324004A4	00000006	0000000D	10C003E0	6000000C	C300FFFF	C2F00000	01FFFFFF
324006CC	00000007	0000003B	3CC003E0	6000000C	3EFF FF00	3F100000	01FFFFFF
324006D8	00000008	0000003C	1CC003E0	6000000C	40FFFFFFE	40FFFFFFF	00000001
32400708	00000009	00000040	1FC003E0	6000000C	3FFFFFF00	40100000	7FFFFFF00
32400708	0000000A	00000040	1FC003E0	6000000D	00000036	00000003	00000035
32400720	0000000B	00000042	1FC003E0	6000000C	40EFFFF0	40F00000	001FFFF0

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Figure 3-2. Sample Float Error Printout

Example:

List	Is	Is + 1	Should Be
408	BF555554	BF555555	BF555555
420	407FFFFFF	40800000	40800000
42C	40FFFFFF	41000000	41100000
		(41100000)*	

To proceed, either change the logic module for the suspected carry term or select a failing test using the control panel INTERRUPT (paragraph 2-8) and enter the list address in R1. Place SS2 to I and clear the wait. Use ADDR STOP to stop the program at location X'143'. Single-clock to the add phase of floating add long and observe the sum in the display lights. Scope to determine why the carry signal is missing.

Note that failures occur when a carry out of the least significant word is expected.

3-5 FLOWCHART

List	408	420	42C
Register D	AAAAAAAA	FFFFFFFF	00000001
Memory + 1	AAAAAAAA	00000001	FFFFFFFF
	(K) [†] 5555554	(K) 00000000	(K) 00000000

A detailed flowchart of the entire program (excluding test modules) is given in figure 3-3. Application of the flowchart to the program listing in section IV should provide the user with a clear understanding of the program operation.

*Since the characteristic changed, a one would be put in the first character of the fraction.

[†] (K) = Carry

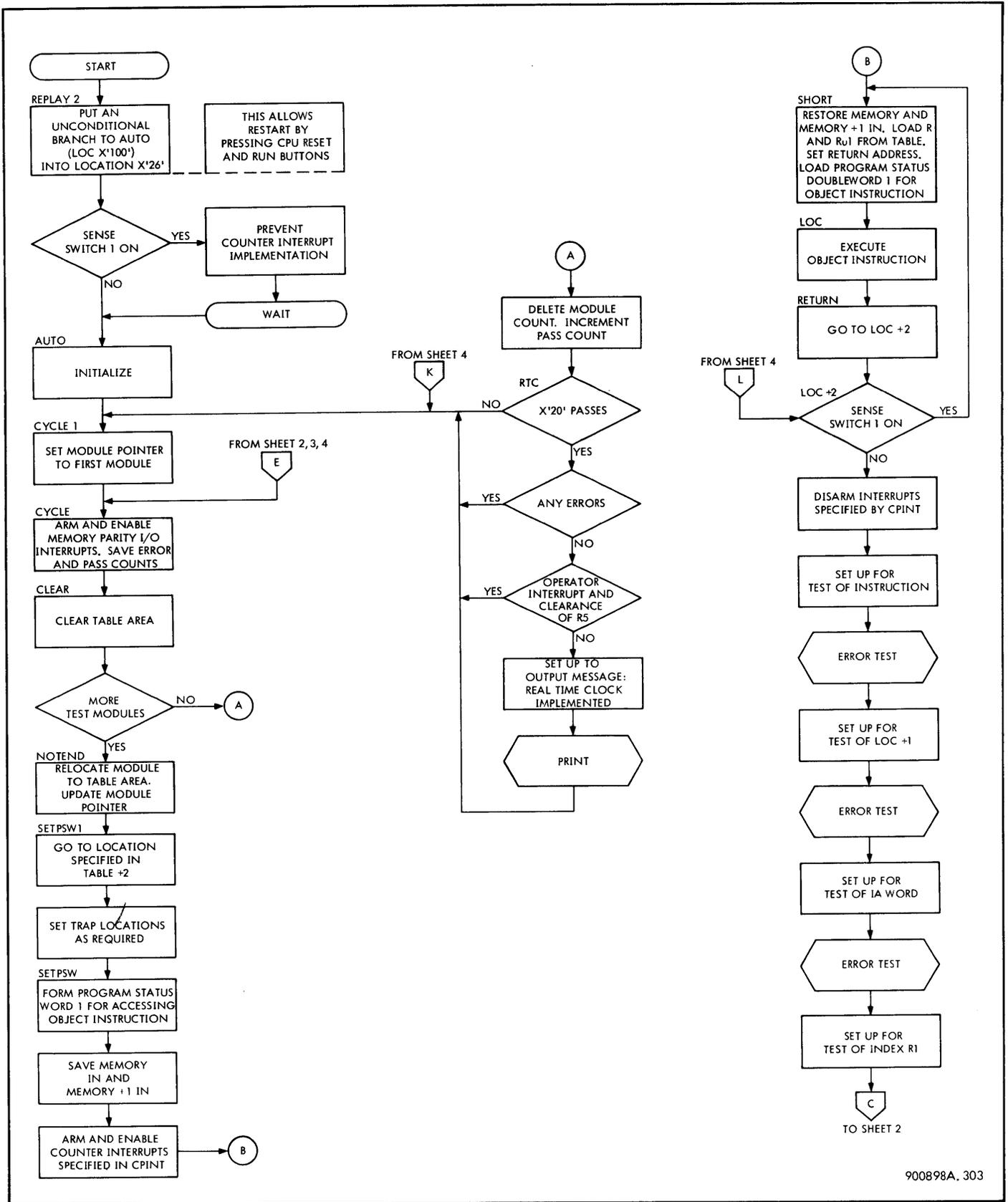


Figure 3-3. Float Program, Detailed Flow Chart (Sheet 1 of 4)

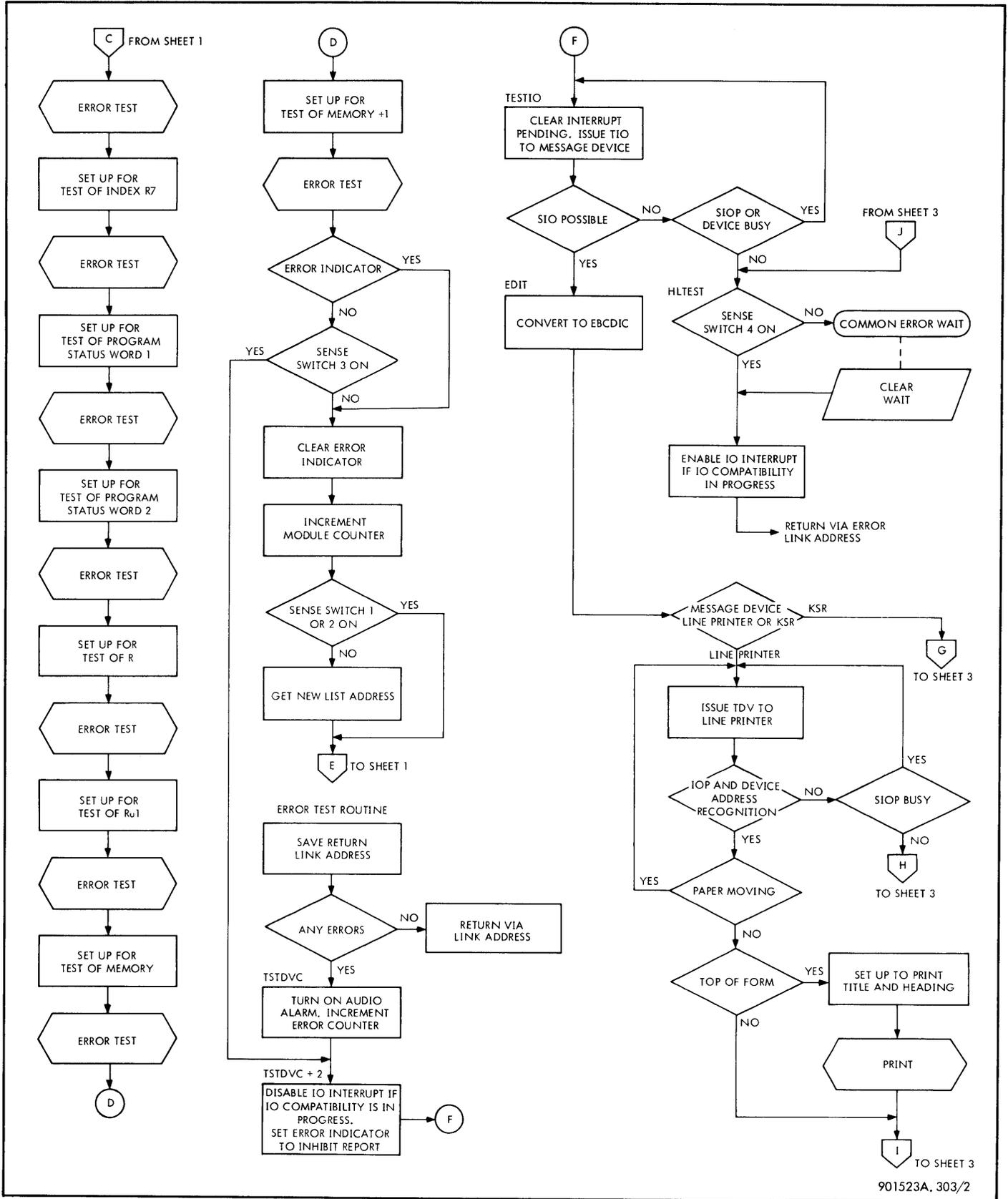


Figure 3-3. Float Program, Detailed Flow Chart (Sheet 2 of 4)

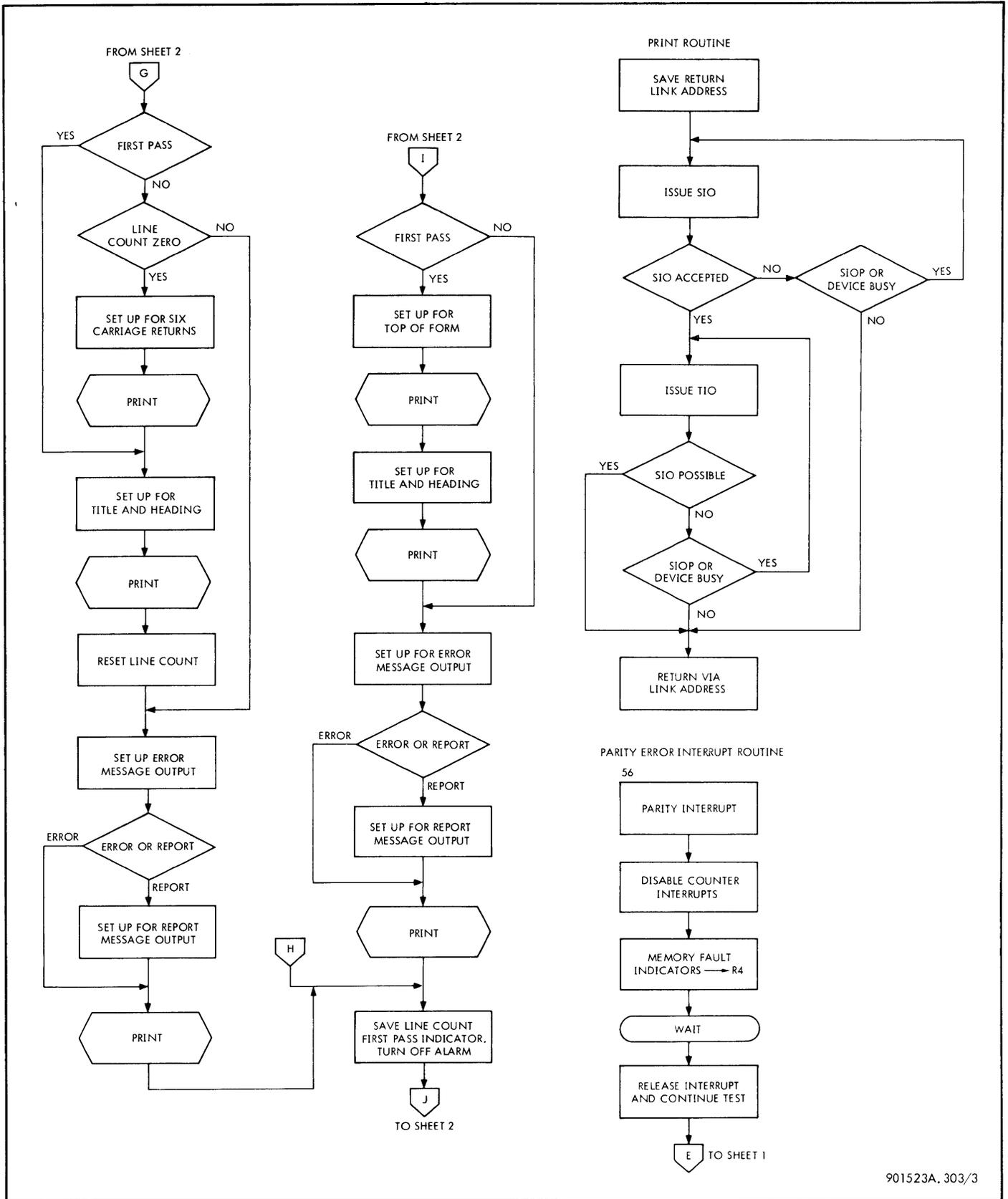
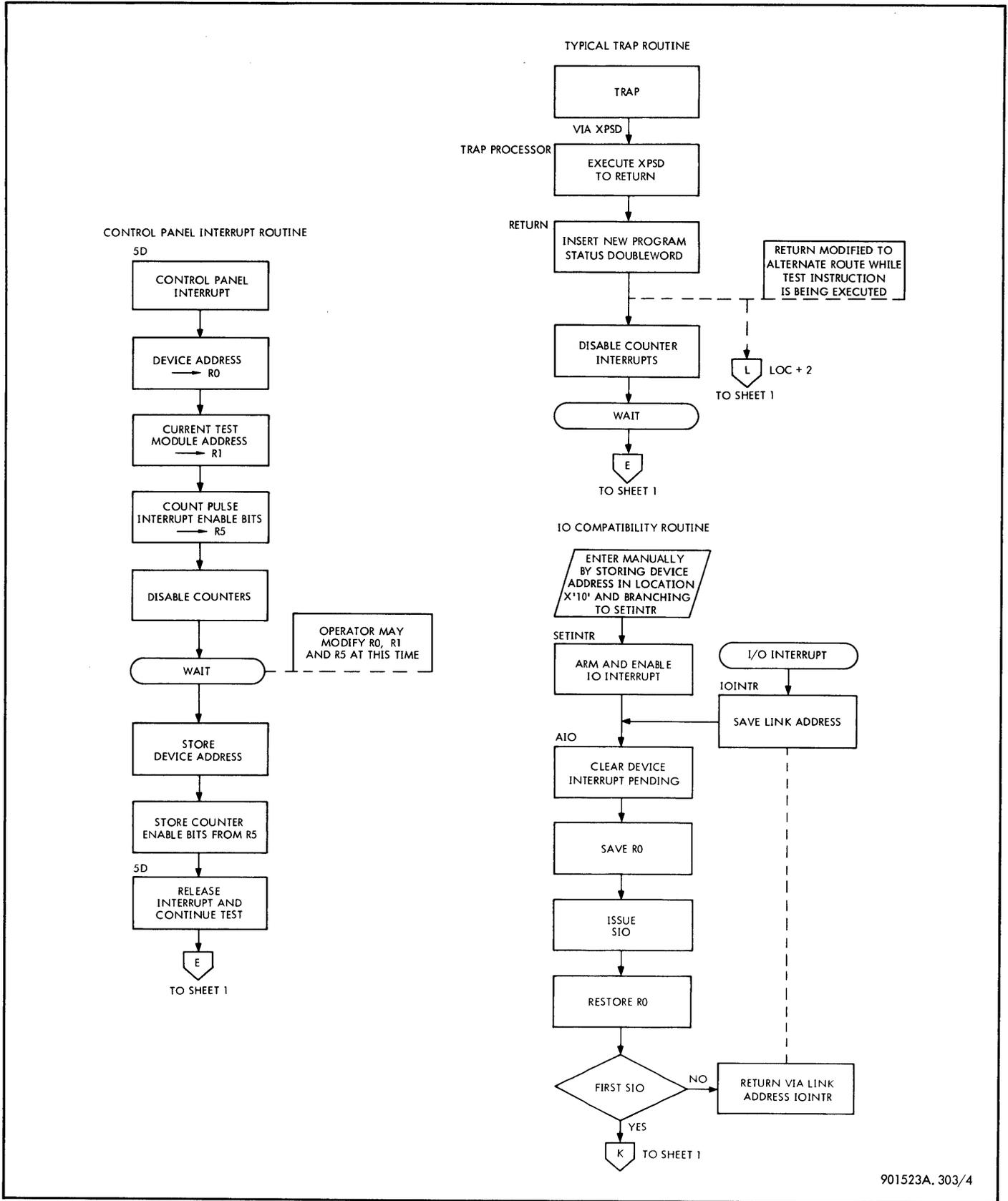


Figure 3-3. Float Diagram, Detailed Flow Chart (Sheet 3 of 4)



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Figure 3-3. Float Program, Detailed Flow Chart (Sheet 4 of 4)

SECTION IV
PROGRAM LISTING

4-1 GENERAL

The program listing that follows details the contents of this program. It contains a list of memory locations and the contents at each location.

A sample printout line from the program follows in figure 4-1, together with an explanation of what each column represents. (There may be as many as nine column entries in a line, but not every column will appear in every line.)

781	01	0029A	00000106	N	IOINTR	DATA	CYCLE-1,0,AIO,0	ENTRY TO INTERRUPT ROUTINE
a	b	c	d	e	f	g	h	i
a.	Line number						f.	Tag
b.	Indication of memory protection key						g.	Operation
c.	Memory address						h.	Operand
d.	Routine instruction and data						i.	Comments
e.	Indication whether of absolute origin or not							

Figure 4-1. Sample Line, Program Printout

1
2
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*
***** SEE PAGES FOUR THROUGH SIX FOR *****

***** LOADING AND OPERATING INSTRUCTIONS *****

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		PAGE		
		SYSTEM	SIG7FD0	A
		EGU	15	A
0000000F	F	FORMS	THE ADDRESS FIELD SPECIFIES HOW THE WORD IS DIVIDED AND HOW MANY BITS THERE WILL BE IN EACH PART OF THE WORD. EFFECTIVE AT ASSEMBLY TIME ONLY.	A
	*			A
	*	FORM	4,28	A
	*			A
	I	FORM	4,28	A
	*			A
	*	FORM	4,4,4,20	A
	*			A
	*	PROCS	EFFECTIVE AT ASSEMBLY TIME ONLY	A
	*			A
	*	P	SPECIFIES A DOUBLE WORD ADDRESS	A
	*			A
00000000	0	CNAME		
		PRBC		
	LF	GEN#32	DA(AF(1))	
		PEND		
	*			
	*	J	CONVERTS TO BYTE ADDRESS	
00000000	J	CNAME		
		PRBC		
	LF	GEN#8,24	AF(1),RA(AF(2))	
		PEND		
	*			
	*	FILL	FILLS ALL LOCATIONS BETWEEN AF AND * WITH ZEROS.	
00000000	FILL	CNAME		
		PRBC		
		DB	ABSVAL(AF)=ABSVAL(*)	
		GEN#32	0	
		FIN		
		PEND		
	*			

```

46          SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00          3
47          PAGE
48          *
49          00000024      SF      OPEN      LCFI, AI, CI, LI, MI, SF, S, LCF, STCF
50          00000025      S       CNAME    X'124'
51          00000070      LCF     CNAME    X'125'
52          00000074      STCF    CNAME    X'170'
53          G1          EQU      1,7,4,3,17
54          PRBC
55          LF          GEN#G1   AFA(1),NAME#CF(2),AF(2),AF(1)
56          PEND
57          00000002      LCFI    CNAME    X'121'
58          00000020      AI      CNAME    X'120'
59          00000021      CI      CNAME    X'121'
60          00000022      LI      CNAME    X'122'
61          00000023      MI      CNAME    X'123'
62          G2          EQU      1,7,4,20
63          PRBC
64          LF          GEN#G2   AFA(1),NAME#CF(2),AF(1)
65          PEND
66          *

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67          SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00          4
68          PAGE
69          *
70          *
71          *          ***** LOADING OPTIONS
72          *          SENSE SW1 SET= BYPASS AUTOMATIC IMPLEMENTATION OF REAL TIME
73          *          CLOCKS. PROGRAM WILL COME TO A WAIT. RESET
74          *          SENSE SWITCH 1. CLEAR THE WAIT.
75          *          RESET= ENABLE RTC'S AFTER X'120' ERROR FREE PASSES
76          *
77          *
78          *          ***** I/O COMPATIBILITY
79          *          THIS TEST IS DESIGNED TO TEST FOR CONFLICTS BETWEEN THE
80          *          INTEGRAL IOP AND THE EXECUTION OF THE AUTO DIAGNOSTIC.
81          *          TO IMPLEMENT THIS TEST :
82          *          1. CP INTERRUPT
83          *          2. ENTER DEVICE ADDRESS INTO LOCATION X'10'
84          *          3. BRANCH TO LOCATION X'296'
85          *          (IF THE SELECTED DEVICE DOES NOT GENERATE AN INTERRUPT
86          *          FOR ANY REASON, RESTART BY REPEATING STEP 3 )

```

```

87 *
88 *
89 *
90 *
91 ***** OPERATING OPTIONS
92 *
93 *   SS1   SET=SHORT LOOP
94 *       RESET=NORMAL OPERATION
95 *
96 *   SS2   SET=LONG LOOP
97 *       RESET=NORMAL OPERATION
98 *
99 *   SS3   SET=REPORT
100 *       RESET=NORMAL OPERATION
101 *
102 *   SS4   SET=NO HALT ON ERRORS
103 *         RESET=HALT ON ERRORS AND AFTER REPORT
104 *
105 *                                     REGISTER CONTENTS ON ERROR HALT,
106 *   R1    PRESENT LIST ADDRESS
107 *   R2    ERROR COUNTER
108 *   R3    PASS COUNTER (PASSES=0-15, MODULES=16-31)
109 *   R4    INSTRUCTION
110 *   R5    ERROR IDENTIFIER AND ADDRESS:
111 *         10000000 * INSTRUCTION
112 *         20000000 * LOCATION+1 OF THE EXECUTION LOCATION
113 *         30000000 * INDIRECT ADDRESS
114 *         4000000X * INDEX REGISTER X: X=1(NORMAL) OR 7(BNE)
115 *         5000000X * PROGRAM STATUS WORD X: X=1 OR 2
116 *         6000000X * REGISTER X: X=C(12)OR D(13)
117 *         7000WXYZ * MEMORY WORD IN LOCATION WXYZ (WXYZ=0-FFFF)
118 *   R6    ERRONEOUS RESULT
119 *   R7    PREDETERMINED RESULT
120 *   R8    DIFFERENCE BETWEEN R6 AND R7
    
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121 *
122 *   REGISTER CONTENTS ON CONTROL PANEL INTERRUPT
123 *
124 * ***** R0 AND R5 MAY BE MODIFIED AFTER
125 *         THE WAIT FROM CP INTERRUPT. R0 WILL
126 *         SELECT THE MSG DEVICE AND R5 THE
127 *         COUNT PULSE INTERRUPTS
128 *   R0    T0000MSG   T=0 FOR KSR   MSG= DEVICE ADDR
129 *         T=8 FOR LINE PRINTER
130 *   R1    3240YYYY   LWA# OBJECT ADDRESS
131 *   R2    ERROR COUNTER
132 *   R3    XXXXZ2Z2   X=PASS COUNT  Z= TEST COUNT
133 *   R5    0000N000   N= ACTIVE COUNTER INTERRUPTS
134 *         BIT POSITION  ACTIVATES COUNTER
135 *         16          1
136 *         17          2
137 *         18          3
138 *         19          4
    
```

SIGMA 5/7 CPU DIAG. FLOAT 704046-51A00						7
			PAGE			
139						
140	01 00040		00000000	00000000		A
	01 00040		00000000	00000000		A
141	01 00040	0F00005E	NABTR	XPSD,0	NAB	NONALLOWED OPERATION
142	01 00041	0F000072	UIITR	XPSD,0	UII	UNIMPLEMENTED INSTRUCTION
143	01 00042	0F000078	SLTR	XPSD,0	SL	STACK LIMIT
144	01 00043	0F00007E	FXPSTR	XPSD,0	FXPB	FIXED POINT OVERFLOW
145	01 00044	0F000084	FLPFTR	XPSD,0	FLPF	FLBATING POINT FAULT
146	01 00045	0F00008A	DFTR	XPSD,0	DF	DECIMAL FAULT
147	01 00046	0F000090	WDTRTR	XPSD,0	WDTR	WATCHDOG TIMER RUNOUT
148	01 00047	0F8003E4	BRANCH	XPSD,8	RETURN	
149	01 00048	0F000096	CAL1TR	XPSD,0	CAL1	CALL ONE
150	01 00049	0F0000AA	CAL2TR	XPSD,0	CAL2	CALL TWO
151	01 0004A	0F0000BE	CAL3TR	XPSD,0	CAL3	CALL THREE
152	01 00043	0F0000D2	CAL4TR	XPSD,0	CAL4	CALL FOUR
153			*			INTERRUPT LOCATIONS
154	01 0004C	00000000	A	FILL	X'152'	
	01 0004D	00000000	A			
	01 0004E	00000000	A			
	01 0004F	00000000	A			
	01 00050	00000000	A			
	01 00051	00000000	A			
155	01 00052	331003EE		MTW,1	CNT1CP	
156	01 00053	331003EF		MTW,1	CNT2CP	
157	01 00054	331003F0		MTW,1	CNT3CP	A
158	01 00055	331003F1		MTW,1	CNT4CP	A
159	01 00056	0F0000E6		XPSD,0	PARITY	MEMORY PARITY
160	01 00057	00000000	A	FILL	X'15C'	
	01 00058	00000000	A			
	01 00059	00000000	A			
	01 0005A	00000000	A			
	01 0005B	00000000	A			
161	01 0005C	0F00029A		XPSD,0	IBINTR	IB INTERRUPT
162	01 0005D	0F0000F0		XPSD,0	RESET	INTERRUPT BUTTON

SIGMA 5/7 CPU DIAG. FLOAT 704046-51A00						8
			PAGE			
163						
164			*			
165				BUND 8		NON-ALLOWED OPERATION TRAP
166	01 0005E	00000000	A	NAB	PZE	
167	01 0005F	00000000	A		PZE	
168	01 00060	00000062			PZE,0	\$+2
169	01 00061	00000000	A		PZE	
170	01 00062	0F0003E4		NABRET	XPSD,0	RETURN
171	01 00063	0F0003E4		MPVRET	XPSD,0	RETURN
172	01 00064	0F0003E4		MVRET	XPSD,0	RETURN
173	01 00065	0F0003E4			XPSD,0	RETURN
174	01 00066	0F0003E4		NEARET	XPSD,0	RETURN
175	01 00067	0F0003E4			XPSD,0	RETURN
176	01 00068	0F0003E4			XPSD,0	RETURN
177	01 00069	0F0003E4			XPSD,0	RETURN
178	01 0006A	0F0003E4		NEIRET	XPSD,0	RETURN
179	01 0006B	0F0003E4			XPSD,0	RETURN
180	01 0006C	0F0003E4			XPSD,0	RETURN
181	01 0006D	0F0003E4			XPSD,0	RETURN
182	01 0006E	0F0003E4			XPSD,0	RETURN
183	01 0006F	0F0003E4			XPSD,0	RETURN
184	01 00070	0F0003E4			XPSD,0	RETURN
185	01 00071	0F0003E4			XPSD,0	RETURN

			SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00					9
186				PAGE				
187			*					
188					B9UND 8			
189	01 00072	00000000 A	JII		PZE			A
190	01 00073	00000000 A			PZE			A
191	01 00074	00000076			PZE,0	\$+2		A
192	01 00075	00000000 A			PZE			A
193	01 00076	0F0003E4	JIRET	XPSD,0		RETURN		A
194			*					A
195					B9UND 8			A
196	01 00078	00000000 A	SL		PZE			A
197	01 00079	00000000 A			PZE			A
198	01 0007A	0000007C			PZE,0	\$+2		A
199	01 00079	00000000 A			PZE			A
200	01 0007C	0F0003E4	SLRET	XPSD,0		RETURN		A

UNIMPLIMENTED INSTRUCTION TRAP

STACK LIMIT REACHED TRAP

			SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00					10
201				PAGE				
202			*					
203					B9UND 8			
204	01 0007E	00000000 A	FXPB		PZE			A
205	01 0007F	00000000 A			PZE			A
206	01 00080	00000082			PZE,0	\$+2		A
207	01 00081	00000000 A			PZE			A
208	01 00082	7020007E			LCF,2	FXPB		A
209	01 00083	0F0003E4	FPBRET	XPSD,0		RETURN		A
210			*					A
211					B9UND 8			A
212	01 00084	00000000 A	FLPF		PZE			A
213	01 00085	00000000 A			PZE			A
214	01 00086	00000088			PZE,0	\$+2		A
215	01 00087	00000000 A			PZE			A
216	01 00088	70200084			LCF,2	FLPF		A
217	01 00089	0F0003E4	FPFRET	XPSD,0		RETURN		A
218			*					A
219					B9UND 8			A
220	01 0008A	00000000 A	DF		PZE			A
221	01 0008B	00000000 A			PZE			A
222	01 0008C	0000008E			PZE,0	\$+2		A
223	01 0008D	00000000 A			PZE			A
224	01 0008E	7020008A			LCF,2	DF		A
225	01 0008F	0F0003E4	DFRET	XPSD,0		RETURN		A
226			*					A
227					B9UND 8			A
228	01 00090	00000000 A	WDTR		PZE			A
229	01 00091	00000000 A			PZE			A
230	01 00092	00000094			PZE,0	\$+2		A
231	01 00093	00000000 A			PZE			A
232	01 00094	0F0003E4	WDTRET	XPSD,0		RETURN		A

FIXED POINT ARITHMETIC OVERFLOW TRAP

FLOATING POINT ARITHMETIC FAULT TRAP

DECIMAL ARITHMETIC FAULT TRAP

WATCHDOG TIMER RUNOUT TRAP

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00 11
 PAGE
 233
 234 * CALL 1 TRAP
 235 BBUND 8
 236 01 00096 00000000 A CAL1 PZE
 237 01 00097 00000000 A PZE
 238 01 00098 0000009A PZE,0 *+2
 239 01 00099 00000000 A PZE
 240 01 0009A 0F0003E4 C1RET XPSD,0 RETURN TRACC=0
 241 01 0009B 0F0003E4 XPSD,0 RETURN TRACC=1 19.1
 242 01 0009C 0F0003E4 XPSD,0 RETURN TRACC=2 19.1
 243 01 0009D 0F0003E4 XPSD,0 RETURN TRACC=3 19.1
 244 01 0009E 0F0003E4 XPSD,0 RETURN TRACC=4 19.1
 245 01 0009F 0F0003E4 XPSD,0 RETURN TRACC=5 19.1
 246 01 000A0 0F0003E4 XPSD,0 RETURN TRACC=6 19.1
 247 01 000A1 0F0003E4 XPSD,0 RETURN TRACC=7 19.1
 248 01 000A2 0F0003E4 XPSD,0 RETURN TRACC=8 19.1
 249 01 000A3 0F0003E4 XPSD,0 RETURN TRACC=9 19.1
 250 01 000A4 0F0003E4 XPSD,0 RETURN TRACC=10 19.1
 251 01 000A5 0F0003E4 XPSD,0 RETURN TRACC=11 19.1
 252 01 000A6 0F0003E4 XPSD,0 RETURN TRACC=12 19.1
 253 01 000A7 0F0003E4 XPSD,0 RETURN TRACC=13 19.1
 254 01 000A8 0F0003E4 XPSD,0 RETURN TRACC=14 19.1
 255 01 000A9 0F0003E4 XPSD,0 RETURN TRACC=15 19.1

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00 12
 PAGE
 256
 257 * CALL 2 TRAP
 258 BBUND 8
 259 01 000AA 00000000 A CAL2 PZE
 260 01 000AB 00000000 A PZE
 261 01 000AC 000000AE PZE,0 *+2
 262 01 000AD 00000000 A PZE
 263 01 000AE 0F0003E4 C2RET XPSD,0 RETURN TRACC=0
 264 01 000AF 0F0003E4 XPSD,0 RETURN TRACC=1 19.1
 265 01 000B0 0F0003E4 XPSD,0 RETURN TRACC=2 19.1
 266 01 000B1 0F0003E4 XPSD,0 RETURN TRACC=3 19.1
 267 01 000B2 0F0003E4 XPSD,0 RETURN TRACC=4 19.1
 268 01 000B3 0F0003E4 XPSD,0 RETURN TRACC=5 19.1
 269 01 000B4 0F0003E4 XPSD,0 RETURN TRACC=6 19.1
 270 01 000B5 0F0003E4 XPSD,0 RETURN TRACC=7 19.1
 271 01 000B6 0F0003E4 XPSD,0 RETURN TRACC=8 19.1
 272 01 000B7 0F0003E4 XPSD,0 RETURN TRACC=9 19.1
 273 01 000B8 0F0003E4 XPSD,0 RETURN TRACC=10 19.1
 274 01 000B9 0F0003E4 XPSD,0 RETURN TRACC=11 19.1
 275 01 000BA 0F0003E4 XPSD,0 RETURN TRACC=12 19.1
 276 01 000BB 0F0003E4 XPSD,0 RETURN TRACC=13 19.1
 277 01 000BC 0F0003E4 XPSD,0 RETURN TRACC=14 19.1
 278 01 000BD 0F0003E4 XPSD,0 RETURN TRACC=15 19.1

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE		13	A
279				*			A
280							A
281					BUND 8		A
282	01 0008E	00000000 A	CAL3		PZE		A
283	01 0008F	00000000 A			PZE		A
284	01 000C0	000000C2			PZE,0	#+2	A
285	01 000C1	00000000 A			PZE		A
286	01 000C2	0F0003E4	C3RET		XPSD,0	RETURN	TRACC=0
287	01 000C3	0F0003E4			XPSD,0	RETURN	TRACC=1 19.1
288	01 000C4	0F0003E4			XPSD,0	RETURN	TRACC=2 19.1
289	01 000C5	0F0003E4			XPSD,0	RETURN	TRACC=3 19.1
290	01 000C6	0F0003E4			XPSD,0	RETURN	TRACC=4 19.1
291	01 000C7	0F0003E4			XPSD,0	RETURN	TRACC=5 19.1
292	01 000C8	0F0003E4			XPSD,0	RETURN	TRACC=6 19.1
293	01 000C9	0F0003E4			XPSD,0	RETURN	TRACC=7 19.1
294	01 000CA	0F0003E4			XPSD,0	RETURN	TRACC=8 19.1
295	01 000CB	0F0003E4			XPSD,0	RETURN	TRACC=9 19.1
296	01 000CC	0F0003E4			XPSD,0	RETURN	TRACC=10 19.1
297	01 000CD	0F0003E4			XPSD,0	RETURN	TRACC=11 19.1
298	01 000CE	0F0003E4			XPSD,0	RETURN	TRACC=12 19.1
299	01 000CF	0F0003E4			XPSD,0	RETURN	TRACC=13 19.1
300	01 000D0	0F0003E4			XPSD,0	RETURN	TRACC=14 19.1
301	01 000D1	0F0003E4			XPSD,0	RETURN	TRACC=15 19.1

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE		14	A
302				*			A
303							A
304					BUND 8		A
305	01 000D2	00000000 A	CAL4		PZE		A
306	01 000D3	00000000 A			PZE		A
307	01 000D4	000000D6			PZE,0	#+2	A
308	01 000D5	00000000 A			PZE		A
309	01 000D6	0F0003E4	C4RET		XPSD,0	RETURN	TRACC=0
310	01 000D7	0F0003E4			XPSD,0	RETURN	TRACC=1 19.1
311	01 000D8	0F0003E4			XPSD,0	RETURN	TRACC=2 19.1
312	01 000D9	0F0003E4			XPSD,0	RETURN	TRACC=3 19.1
313	01 000DA	0F0003E4			XPSD,0	RETURN	TRACC=4 19.1
314	01 000DB	0F0003E4			XPSD,0	RETURN	TRACC=5 19.1
315	01 000DC	0F0003E4			XPSD,0	RETURN	TRACC=6 19.1
316	01 000DD	0F0003E4			XPSD,0	RETURN	TRACC=7 19.1
317	01 000DE	0F0003E4			XPSD,0	RETURN	TRACC=8 19.1
318	01 000DF	0F0003E4			XPSD,0	RETURN	TRACC=9 19.1
319	01 000E0	0F0003E4			XPSD,0	RETURN	TRACC=10 19.1
320	01 000E1	0F0003E4			XPSD,0	RETURN	TRACC=11 19.1
321	01 000E2	0F0003E4			XPSD,0	RETURN	TRACC=12 19.1
322	01 000E3	0F0003E4			XPSD,0	RETURN	TRACC=13 19.1
323	01 000E4	0F0003E4			XPSD,0	RETURN	TRACC=14 19.1
324	01 000E5	0F0003E4			XPSD,0	RETURN	TRACC=15 19.1

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325          SIGMA 5/7 CPU DIAS* FLBAT 704046-51A00
326          PAGE
327          *
328 01 000E6 00000000 A PARITY 3BOUND 8 PARITY INTERRUPT SERVICE ROUTINE
329 01 000E7 00000000 A PZE
330 01 000E8 000000EA A PZE
331 01 000E9 00000000 A PZE
332 01 000EA 6C400010 A RD,4 X'1101 RECORD PARITY ERROR PLANS
333 01 000E3 32500312 Lw,5 CPINT COUNT PULSE INTERRUPTS
334 01 000EC 6D501300 A W,5 X'13001 ARM AND DISABLE
335 01 000ED 2E000000 A WAIT,0 0
336 01 000EE 0E3003EA LpSD,3 REPEAT RELEASE PARITY INTERRUPT-REPEAT TEST
337          * INTERUPT BUTTON SERVICE ROUTINE

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338          15A
339 01 000F0 00000000 A RESET 3BOUND 8
340 01 000F1 00000000 A PZE
341 01 000F2 000000F4 A PZE,0
342 01 000F3 07000000 A DATA X'07000000' TURN ON INTERRUPT INHIBIT BITS
343 01 000F4 32500312 Lw,5 CPINT COUNT PULSE INTERRUPTS
344 01 000F5 6D501300 A W,5 X'13001 ARM AND DISABLE
345 01 000F6 323003F4 Lw,3 PASSES RESET PASSES TO LAST SETTING
346 01 000F7 322003F3 Lw,2 ERRORS RESET ERRORS TO LAST SETTING
347 01 000F8 32100113 Lw,1 SAVE REINITIALIZE LOAD WITH LAST SETTING
348 01 000F9 3200031C Lw,0 TYPE
349 01 000FA 2E000000 A WAIT,0 0
350 01 000FB 43500332 AND,5 MASK+4
351 01 000FC 35500312 STW,5 CPINT
352 01 000FD 3500031C STW,0 TYPE DEVICE ADDR IF BIT=0 KSR, =1 LP
353 01 000FE 35500313 STW,5 CPINTM
354 01 000FF 0E3003EA LpSD,3 REPEAT RELEASE PANEL INTERRUPT-REPEAT TEST

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SIGMA 5/7 CPU DIAG. FLOAT 704046-51A00				PAGE		16	
355							A
356							A
357				FILL	X'100'	AUTO-CONTROL	A
358	01	00100	32200340	AWB	LW#2	ZERO	A
359	01	00101	32300340		LW#3	ZERO	A
360	01	00102	32100309		LW#1	NEG51	A
361	01	00103	3510030A		STW#1	LINE	A
362	01	00104	32100326		LW#1	NEG2	A
363	01	00105	35100304		STW#1	FIRST	A
364	01	00106	321002F7		LW#1	LOAD	A
365	01	00107	32400340	CYCLE	LW#4	ZERO	A
366	01	00108	35100113		STW#1	SAVE	A
367	01	00109	3250031D		LW#5	PCPINT	A
368	01	0010A	6D501200 A		WD#5	X'1200'	A
369	01	0010B	352003F3		STW#2	ERRORS	A
370	01	0010C	353003F4		STW#3	PASSES	A
371	01	0010D	325002F9		LW#5	STORE	A
372	01	0010E	32600308		LW#6	NEG20	A
373	01	0010F	35500110	CLEAR	STW#5	\$+1	A
374	01	00110	354003C4		STW#4	TABLE+1	A
375	01	00111	65500112		BIR#5	\$+1	A
376	01	00112	6560010F		BIR#6	CLEAR	A

SIGMA 5/7 CPU DIAG. FLOAT 704046-51A00				PAGE		17	
377							A
378	01	00113	32400408	SAVE	LW#4	LIST+C	A
379	01	00114	69300118		BCS#3	NOTEND	A
380	01	00115	493002FD		AND#3	41215	A
381	01	00116	20310000 A		AIR#3	X'10000'	A
382	01	00117	68000278		B	DONE	A
383	01	00118	325002F9	NOTEND	LW#5	STORE	A
384	01	00119	32600004 A		LW#6	4	A
385	01	0011A	3510011C	MOVE	STW#1	FRM	A
386	01	00113	3550011D		STW#5	T9	A
387	01	0011C	32400408	FRM	LW#4	LIST+C	A
388	01	0011D	354003C4	T9	STW#4	TABLE+1	A
389	01	0011E	6510011F		BIR#1	\$+1	A
390	01	0011F	65500120		BIR#5	\$+1	A
391	01	00120	6560011A		BIR#6	MOVE	A
392	01	00121	3510011C		STW#1	FRM	A

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE	18	
393						
394			*			A
395	01	00122	321003C8	LW#1	TABLE+4	A
396	01	00123	32400047	LW#4	XPSD	A
397	01	00124	35400144	STW#4	L0C+1	A
398	01	00125	35400040	STW#4	NABTR	A
399	01	00126	324003C6	LW#4	TABLE+2	A
400	01	00127	484002F8	AND#4	LINKAD	A
401	01	00128	354003EC	STW#4	PSW1	A
402	01	00129	32500340	LW#5	ZER0	A
403	01	0012A	484002FC	AND#4	COND	A
404	01	0012B	0E0003EC	LPSD#0	PSW1	A
405	01	0012C	324003C6	LW#4	TABLE+2	A
406	01	0012D	484002FC	AND#4	COND	A
407	01	0012E	484002DE	EBR#4	L0CADD	A
408	01	0012F	354003EC	STW#4	PSW1	A
409	01	00130	324003D0	LW#4	TABLE+12	A
410	01	00131	354003ED	STW#4	PSW2	A
411	01	00132	22200001	L1#2	1	A
412	01	00133	324003C6	LW#4	TABLE+1	A
413	01	00134	354003D9	STW#4	INST	A
414	01	00135	325002DC	LW#5	INDA	A
415	01	00136	32700303	LW#7	ONE	A
416	01	00137	355003DA	STW#5	IA	A
417	01	00138	328003CA	LW#8	TABLE+6	A
418	01	00139	329003CE	LW#9	TABLE+10	A
419	01	0013A	3250031P	LW#5	CPINT	A
420	01	0013B	6D501200	W#5	X'1200'	A

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE	19	
421						
422	01	0013C	358003E0	SHRT	STW#8	MEMORY
423	01	0013D	359003E1		STW#9	MEMORY+1
424	01	0013E	32C003C8		LW#12	TABLE+4
425	01	0013F	32D003CC		LW#13	TABLE+8
426	01	00140	32F002D0		LW#15	L0C2AD
427	01	00141	35F003E6		STW#15	RETURN+2
428	01	00142	0E0003EC		LPSD#0	PSW1
429	01	00143	670003D9	L0C	EXU	INST
430	01	00144	0F8003E4		XPSD#8	RETURN
431	01	00145	6C000000		RD#0	0
432	01	00146	6980013C		BCS#8	SHRT
433	01	00147	6D501100		W#5	X'1100'
434	01	00148	322003F3		LW#2	ERRORS

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE	20	
435						A
436						A
437	01	00149	351003DB	STW#1	TEST+3	A
438	01	0014A	32100323	LW#1	00DBALL	A
439	01	0014B	351003E6	STW#1	RETURN+2	A
440	01	0014C	357003DF	STW#7	TEST+7	A
441	01	0014D	32100113	LW#1	SAVE	A
442	01	0014E	35C003DC	STW#12	TEST+4	A
443	01	0014F	35D003DD	STW#13	TEST+5	A
444	01	00150	3250030B	LW#5	INSTID	A
445	01	00151	326003D9	LW#6	TEST+1	A
446	01	00152	327003C5	LW#7	TABLE+1	A
447	01	00153	0F0001CE	XPSD,0	ERROR	A
448	01	00154	3250030C	LW#5	XPSDID	A
449	01	00155	32600144	LW#6	LBC+1	A
450	01	00156	32700047	LW#7	XPSD	A
451	01	00157	0F0001CE	XPSD,0	ERROR	A
452	01	00158	3250030D	LW#5	IAID	A
453	01	00159	326003DA	LW#6	IA	A
454	01	0015A	327002DC	LW#7	INDA	A
455	01	0015B	0F0001CE	XPSD,0	ERROR	A

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE	21	
456						A
457	01	0015C	3250030E	LW#5	IXID	A
458	01	0015D	326003DB	LW#6	TEST+3	A
459	01	0015E	327003C8	LW#7	TABLE+4	A
460	01	0015F	0F0001CE	XPSD,0	ERROR	A
461	01	00160	48500302	ESR#5	SIX	A
462	01	00161	326003DF	LW#6	TEST+7	A
463	01	00162	32700303	LW#7	ONE	A
464	01	00163	0F0001CE	XPSD,0	ERROR	A
465	01	00164	3250030F	LW#5	PSD#ID	A
466	01	00165	326003E4	LW#6	TEST+12	A
467	01	00166	327003C7	LW#7	TABLE+3	A
468	01	00167	0F0001CE	XPSD,0	ERROR	A
469	01	00168	65500169	BIR#5	±+1	A
470	01	00169	326003E5	LW#6	TEST+13	A
471	01	0016A	327003D1	LW#7	TABLE+13	A
472	01	0016B	0F0001CE	XPSD,0	ERROR	A

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE		22	
473							
474	01	0016C	32500310	LW#5	REGID	PICK UP REGISTER IDENTIFIER	A
475	01	0016D	48500301	ERR#5	CEE	SET REGISTER ADDRESS =C(12)	A
476	01	0016E	326003DC	LW#6	TEST#4	R(R)	A
477	01	0016F	327003C9	LW#7	TABLE#5	R(0)	A
478	01	00170	0F0001CE	XPSD#0	ERRBR	TEST REGISTER	A
479	01	00171	65500172	BIR#5	#+1	INCREMENT REGISTER IDENTIFIER	A
480	01	00172	326003DD	LW#6	TEST#5	RUI(R)	A
481	01	00173	327003CD	LW#7	TABLE#9	RUI(0)	A
482	01	00174	0F0001CE	XPSD#0	ERRBR	TEST REGISTER J 1	A
483	01	00175	32600311	LW#5	MEMID	PICK UP MEMORY IDENTIFIER	A
484	01	00176	326003E0	LW#6	MEMORY	MW(R)	A
485	01	00177	327003CB	LW#7	TABLE#7	MW(0)	A
486	01	00178	0F0001CE	XPSD#0	ERRBR	TEST MEMORY WORD	A
487	01	00179	6550017A	BIR#5	#+1	INCREMENT MEMORY IDENTIFIER	A
488	01	0017A	326003E1	LW#6	MEMORY#1	MW#1(R)	A
489	01	0017B	327003CF	LW#7	TABLE#11	MW#1(0)	A
490	01	0017C	0F0001CE	XPSD#0	ERRBR	TEST MEMORY WORD + 1	A
491	01	0017D	32500340	LW#5	ZERO	SET IDENTIFIER FOR REPORT	A
492	01	0017E	3260018B	LW#6	ERRIND		
493	01	0017F	69200182	BCS#2	#+3		
494	01	00180	6C000000 A	RD#0	0	READ SENSE SWITCHES	A
495	01	00181	692001D9	BCS#2	ZR	SS3=REPORT	
496	01	00182	32600340	LW#6	BYTE		
497	01	00183	35600183	STW#6	ERRIND		
498	01	00184	6D000040 A	WD#0	X#401		
499	01	00185	322003F3	LW#2	ERRORS		
500	01	00186	65300187	BIR#3	#+1	INCREMENT MODULE COUNTER	A
501	01	00187	6C000000 A	RD#0	0	READ SENSE SWITCHES	A
502	01	00188	69C00107	BCS#12	CYCLE	LOOP ON CURRENT TEST (SS1 BR 2)	
503	01	00189	3210011C	LW#1	FROM	RESTORE NEW LIST ADDRESS	A
504	01	0018A	0E0003EA	LPSD#0	MODULE	UPDATE PRINTER	A
505	01	0018B	00000000 A	ERRIND	DATA		

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				PAGE		23	
506							A
507							A
508	01	0018C	32500300	SIGNAB	LW#5	19	SET XPSD FOR NAB TRAP
509	01	0018D	485002EF	RIGNAB	ERR#5	NABXD	SET I9#1
510	01	0018E	35500040		STW#5	NABTR	SET I9#0
511	01	0018F	484002E7		ERR#4	NABAD	
512	01	00190	35400060		STW#4	NAB#2	SET PSW1 BITS 0-11 FOR NAB TRAP
513	01	00191	6800012C		BCR#0	SETPSW	
514							
515	01	00192	484002E9	JIIISW	ERR#4	JIIAD	SET PSW1 BITS 0-11 FOR JII TRAP
516	01	00193	35400074		STW#4	JII#2	
517	01	00194	6800012C		BCR#0	SETPSW	
518							
519	01	00195	484002E8	SLSW	ERR#4	SLAD	RETURN TO LONG
520	01	00196	3540007A		STW#4	SL#2	SET PSW1 BITS 0-11 FOR SL TRAP
521	01	00197	6800012C		BCR#0	SETPSW	
522							
523	01	00198	484002E5	FXPBSW	ERR#4	FXPAD	SET PSW1 BITS 0-11 FOR EXP9 TRAP
524	01	00199	35400080		STW#4	FXP#2	
525	01	0019A	6800012C		BCR#0	SETPSW	
526							
527	01	0019B	484002E4	FLPFSW	ERR#4	FLPAD	SET PSW1 BITS 0-11 FOR FLPE TRAP
528	01	0019C	35400086		STW#4	FLP#2	
529	01	0019D	68000193		BCR#0	JIIISW#1	
530							
531	01	0019E	484002E3	DFSW	ERR#4	DFAD	SET PSW1 BITS 0-11 FOR DF TRAP
532	01	0019F	3540008C		STW#4	DF#2	
533	01	001A0	68000193		BCR#0	JIIISW#1	
534							
535	01	001A1	484002EA	WDTRSW	ERR#4	WDTRAD	SET PSW1 BITS 0-11 FOR WDTR TRAP
536	01	001A2	35400092		STW#4	WDTR#2	
537	01	001A3	6800012C		BCR#0	SETPSW	

			SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				24	
538					PAGE			A
539			*					A
540	01	001A4	32500300	S19CL1	LW#5	I9	SET XPSD FOR CAL1	A
541	01	001A5	485002EB	R19CL1	EBR#5	CAL1XD	SET I9=1	A
542	01	001A6	35500048		STW#5	CAL1TR	SET I9=0	A
543	01	001A7	484002DF		EBR#4	CAL1AD		A
544	01	001A8	35400098		STW#4	CAL1+2		A
545	01	001A9	6800012C		BCR#0	SETPSW		A
546				*				A
547	01	001AA	32500300	S19CL2	LW#5	I9	SET XPSD FOR CAL2	A
548	01	001AB	485002EC	R19CL2	EBR#5	CAL2XD	SET I9=1	A
549	01	001AC	35500049		STW#5	CAL2TR	SET I9=0	A
550	01	001AD	484002E0		EBR#4	CAL2AD		A
551	01	001AE	354000AC		STW#4	CAL2+2		A
552	01	001AF	6800012C		BCR#0	SETPSW		A
553				*				A
554	01	001B0	32500300	S19CL3	LW#5	I9	SET XPSD FOR CAL3	A
555	01	001B1	485002ED	R19CL3	EBR#5	CAL3XD	SET I9=1	A
556	01	001B2	3550004A		STW#5	CAL3TR	SET I9=0	A
557	01	001B3	484002E1		EBR#4	CAL3AD		A
558	01	001B4	354000C0		STW#4	CAL3+2		A
559	01	001B5	6800012C		BCR#0	SETPSW		A
560				*				A
561	01	001B6	32500300	S19CL4	LW#5	I9	SET XPSD FOR CAL4	A
562	01	001B7	485002EE	R19CL4	EBR#5	CAL4XD	SET I9=1	A
563	01	001B8	3550004B		STW#5	CAL4TR	SET I9=0	A
564	01	001B9	484002E2		EBR#4	CAL4AD		A
565	01	001BA	354000D4		STW#4	CAL4+2		A
566	01	001BB	6800012C		BCR#0	SETPSW		A

			SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00				25	
567					PAGE			A
568					FILL	X'1CE'		
01	001BC	00000000	A					
01	001BD	00000000	A					
01	001BE	00000000	A					
01	001BF	00000000	A					
01	001C0	00000000	A					
01	001C1	00000000	A					
01	001C2	00000000	A					
01	001C3	00000000	A					
01	001C4	00000000	A					
01	001C5	00000000	A					
01	001C6	00000000	A					
01	001C7	00000000	A					
01	001C8	00000000	A					
01	001C9	00000000	A					
01	001CA	00000000	A					
01	001CB	00000000	A					
01	001CC	00000000	A					
01	001CD	00000000	A					

		SIGMA 5/7 CPU DIAG FLBAT 704046-51A00				PAGE		26	
569									
570				*				DECIMAL-ERRBR	
571	01	001CE	00000000	A	ERRBR	PZE			A
572	01	001CF	00000000	A		PZE			A
573	01	001D0	000001D2			PZE,0	s+2		A
574	01	001D1	00000000	A		PZE			A
575	01	001D2	32800006	A		LW,8	6	PICK UP RESULT	A
576	01	001D3	48800007	A		EAR,8	7	COMPARE WITH PREDETERMINED RESULT	A
577	01	001D4	693001D6			BCS,3	TSTDVC	DIFF # 0	A
578	01	001D5	0E0001CE			LPSD,0	ERRBR		A
579	01	001D6	652001D7		TSTDVC	BIR,2	s+1		A
580	01	001D7	352003F3			STW,2	ERRBR		
581	01	001D8	6D000041	A		WD,0	X'41'	TURN ON ADDIB ALARM	A
582	01	001D9	32B002A4		ZR	LW,11	IBM		
583					**		IBM HAS IO INTERRUPT BIT IF IO COMPATIBILITY IS IN USE		
584	01	001DA	6DB01500	A		WD,11	X'1500'	DISABLE IO INTERRUPT	
585	01	001DB	32B002FE			LW,11	603		
586	01	001DC	35B0018A			STW,11	ERRIND	SET ERRBR INDICATOR TO ALLOW RETURN TO BYPASS SS 3 SETTING	
587					*			CLEAR INTERRUPT PENDING	
588	01	001DD	6E000000	A	TESTIO	AIO,0	0		
589	01	001DE	0DB0031C			TIO,11	*TYPE		
590	01	001DF	68C001EC			BCR,12	EDIT	GO IF IO ADDR RECOG AND SIO POSSIBLE	
591	01	001E0	684001DD			BCR,4	TESTIO	REPEAT TIO IF SIO IS BUSY	
592	01	001E1	688001E3			BCR,8	s+2	SIO NOT CURRENTLY POSSIBLE	
593	01	001E2	680001E6			B	HLTEST	IO ADDRESS NOT RECOGNIZED	
594	01	001E3	48B002FE			AND,11	603	SAVE OPERATIONAL STATE BITS	
595	01	001E4	48B002FE			EAR,11	603		
596	01	001E5	683001DD			BEZ	TESTIO	DEVICE BUSY	
597	01	001E6	6C000000	A	HLTEST	RD,0	0	READ SENSE SWITCHES	A
598	01	001E7	691001E9			BCS,1	N0HALT		A
599	01	001E8	2E000000	A		WAIT		COMMON ERRBR HALT	A
600	01	001E9	32B002A4		N0HALT	LW,11	IBM		
601	01	001EA	6DB01400	A		WD,11	X'1400'	ENABLE IO INTERRUPT	
602	01	001EB	0E0001CE			LPSD,0	ERRBR		

		SIGMA 5/7 CPU DIAG FLBAT 704046-51A00				PAGE		27	
603									A
604				*				EDIT-LEVEL 3	A
605	01	001EC	32C002FA		EDIT	LW,12	STRM31	SET STORAGE WORD	A
606	01	001ED	32900306			LW,9	NEG8		A
607	01	001EE	37A00005	A		LW,10	5	TEST R5=0	A
608	01	001EF	693001F1			BCS,3	REPORT+1	DISPLAY	A
609	01	001F0	32900324		REPORT	LW,9	NEG4		A
610	01	001F1	32A002F2			LW,10	LDADR	SET REGISTER PICKUP	A
611	01	001F2	35A001F3			STW,10	LDRES		A
612	01	001F3	32A00001	A	LDRES	LW,10	1	PICK UP REGISTER 1 THRU 8 (DIS) BR 4	A
613	01	001F4	35A003F6			STW,10	WORD		A
614	01	001F5	359003F2			STW,9	COUNT		A
615	01	001F6	32F00326			LW,15	NEG2	SET WORD COUNT(M)=2	A
616	01	001F7	320002F3			LW,10	LWN	SET N=4,L4	A
617	01	001F8	32A002F5			LW,10	LWFRM	SET FRAME # =0=0F0=0,F0F0F0F0	A
618	01	001F9	32B002D9			LW,11	ANFRB	SET CHAR POSITIONS 12345678	A
619	01	001FA	43900303			AND,9	BNE	TEST COUNT EVEN	A
620	01	001FB	69300200			BCS,3	BDD		A
621	01	001FC	32F00305		EVEN	LW,15	NEG3	SET WORD COUNT(M)=3	A
622	01	001FD	320002F4			LW,0	LWN2	SET N=2,L4,-2	A
623	01	001FE	32A002F6			LW,10	LWFRM2	SET FRAME #4040=0F0,F0F0F0F0,F0F04040	A
624	01	001FF	32B002DA			LW,11	ANFR2	SET CHAR POSITIONS 12345678	A
625	01	00200	32E002DB		BDD	LW,14	ANMK	SET DIGIT +ICK # BITS 0-3, 4-7, ETC.	A
626	01	00201	35000204		WORDS	STW,0	SETN	SET NUMBER PICK UP	A
627	01	00202	35A00205			STW,10	SETFRM	SET FRAME PICK UP	A
628	01	00203	35C00220			STW,12	STRWD	SET STORAGE LOCATION	A
629	01	00204	32000324		SETN	LW,0	NUMBER	SET NUMBER	A
630	01	00205	32D00329		SETFRM	LW,13	FRAME	SET FRAME (FINAL CHAR-BYTE POSITION)	A
631	01	00206	35B0021B		BYTES	STW,11	ANDF	SET FILTER	A
632	01	00207	35D003F5			STW,13	WK8	SAVE FRAME	A
633	01	00208	35E00210			STW,14	ANDM	SET MASK (ORIGINAL CHAR POSITION)	A
634	01	00209	32A002F0			LW,10	LWRIT	SET BIT PICK UP	A
635	01	0020A	32C00324			LW,12	NEG4	SET BIT COUNT	A
636	01	0020B	32D00340			LW,13	ZER8	SET CHAR GENERATOR TO ZER8	A

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637				PAGE			
638	01	0020C	35A0020E	BITS	STW#10	LWB	A
639	01	0020D	35A00213		STW#10	LWBT	A
640	01	0020E	3290031F	LWB	LW#9	BIT	A
641	01	0020F	4B9003F6		AND#9	WORD	A
642	01	00210	4B90032E	ANDM	AND#9	MASK	A
643	01	00211	69300213		BCS#3	LWBT	A
644	01	00212	0E0003E8		LPSD#0	BUMP	A
645	01	00213	3290031F	LWBT	LW#9	BIT	A
646	01	00214	4B000009 A		EOR#13	9	A
647	01	00215	65A00216	BUMPER	BIR#10	*+1	A
648	01	00216	65C0020C		BIR#12	BITS	A
649	01	00217	4B000335		AND#13	MASK*7	A
650	01	00218	4B0002F1		EOR#13	LWBYTE	A
651	01	00219	3500021A		STW#13	LWBY	A
652	01	0021A	32000340	LWBY	LW#13	BYTE	A
653	01	0021B	4B000336	ANDF	AND#13	FILTER	A
654	01	0021C	4B0003F5		EOR#13	WKB	A
655	01	0021D	65B0021E		BIR#11	*+1	A
656	01	0021E	65E0021F		BIR#14	*+1	A
657	01	0021F	65000206		BIR#0	BYTES	A
658	01	00220	350003AF	STRWD	STW#13	IMAGE+1	A
659	01	00221	32000204		LW#0	SETN	A
660	01	00222	32A00205		LW#10	SETFRM	A
661	01	00223	32C00220		LW#12	STRWD	A
662	01	00224	65000225		BIR#0	*+1	A
663	01	00225	65A00226		BIR#10	*+1	A
664	01	00226	65C00227		BIR#12	*+1	A
665	01	00227	65F00201		BIR#15	WORDS	A
666	01	00228	329003F2		LW#9	COUNT	A
667	01	00229	32A001F3		LW#10	LDREG	A
668	01	0022A	65A0022B		BIR#10	*+1	A
669	01	0022B	659001F2		BIR#9	LDREG+1	A

PICK UP 3 BIT 1,2,4 OR 8
(BIT)*(WORD)
(BIT)*(WORD)*(MASK)
LWBT IF WORD HAS BIT IN MASK POSITION
PICK UP 3 BIT
MERGE BIT WITH CHAR BEING CONSTRUCTED
INCREMENT BIT PICK UP
CONTINUE CHAR CONSTRUCTION
PICK OFF BINARY 4 BIT CHAR
CONSTRUCT BYTE PICK UP WORD
PICK UP CONVERTED BYTE
SELECT DESIRED TYPE
MERGE BYTE INTO CONVERTED WORD
INCREMENT CONVERTED BYTE POSITION
INCREMENT SELECTED CHAR POSITION
TEST FOR N CHAR'S
STORE CONVERTED WORD
SET NUMBER PICK UP
SET FRAME PICK UP
PICK UP STORE WORD
INCREMENT NUMBER PICK UP
INCREMENT FRAME PICK UP
INCREMENT STORE LOCATION
INCREMENT M - BRANCH IF M NOT ZERO
SET COUNT
SET REGISTER PICK UP
INCREMENT REGISTER PICK UP
BRANCH TO LDREG IF COUNT NOT ZERO

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670				PAGE			
671				*			A
672	01	0022C	32F0030A		LW#15	LINE	A
673	01	0022D	32E00304		LW#14	FIRST	A
674	01	0022E	3200031C		LW#0	TYPE	A
675	01	0022F	69100244		BLZ	LPB	A
676	01	00230	65E00234		BIR#14	SKIP6	A
677	01	00231	65F00239		BIR#15	LINOUT	A
678	01	00232	32000350		LW#0	PSIXCR	A
679	01	00233	0F00025A		XPSD#0	PRINT	A
680	01	00234	32000351	SKIP6	LW#0	PTITLE	A
681	01	00235	0F00025A		XPSD#0	PRINT	A
682	01	00236	32000352		LW#0	PHEAD	A
683	01	00237	0F00025A		XPSD#0	PRINT	A
684	01	00238	32F00309		LW#15	NE351	A
685	01	00239	32000354	LINOUT	LW#0	PLRNGL	A
686	01	0023A	32A00005 A		LW#10	5	A
687	01	0023B	6930023D		BCS#3	10	A
688	01	0023C	32000353		LW#0	PSHRTL	A
689	01	0023D	0F00025A	10	XPSD#0	PRINT	A
690	01	0023E	35F0030A		STW#15	LINE	A
691	01	0023F	35E00304		STW#14	FIRST	A
692	01	00240	6D000040 A		WD#0	X'40'	A
693	01	00241	0E000242		LPSD#0	SETOUT	A

OUTPUT=LEVEL 3
LINE COUNT (=51)
==2 FIRST TIME
TEST FOR OUTPUT DEVICE
FIRST TIME THRU
LINE COUNT NOT ZERO
OUTPUT 6 PAR. RET.
NEW PAGE TITLE
NEW HEADING
RESET LINE COUNT
SET UP DISPLAY PRINTOUT
PICK UP IDENTIFIER
SET UP REPORT PRINTOUT
SAVE NEW LINE COUNT
SAVE NEW FIRST PASS INDICATOR
TURN OFF ALARM

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694				PAGE		
695				BRUND 8		
696	01	00242	003001E6	GETOUT	PZE#3	HLTEST
697	01	00243	00000000 A		PZE	
698	01	00244	CE80031C	LPS	TD#11	*TYPE
699	01	00245	68C00248		BCR#12	s+3
700	01	00246	68400244		BCR#4	s+2
701	01	00247	6800023E		B	I9+1
702	01	00248	35800318		STW#11	TEMP
703	01	00249	48B00317		AND#11	MOTION
704	01	0024A	69300244		BNEZ	LPS
705	01	0024B	32800318		LW#11	TEMP
706	01	0024C	48B00319		AND#11	TOP
707	01	0024D	69300256		BNEZ	LPTOP
708	01	0024E	65E00254		BIR#14	GETOP
709	01	0024F	32000357	LPM5G	LW#0	LPERR
710	01	00260	32A00005 A		LW#10	5
711	01	00251	69300253		BCS#3	s+2
712	01	00252	32000358		LW#0	LPREPORT
713	01	00253	6800023D		B	I0
714	01	00254	32000355	GETOP	LW#0	LPGETOP
715	01	00255	0F00025A		XPSD#0	PRINT
716	01	00256	32000356	LPTOP	LW#0	LPFORMAT
717	01	00257	0F00025A		XPSD#0	PRINT
718	01	00258	6800024F		B	LPM5G

GO IF IOP AND DEVICE ADDR RECG
GO IF SIO BUSY
IO OPERATION NOT POSSIBLE

PAPER IS MOVING
LOOP TILL PAPER STOPS

CHECK FOR TOP OF FORM
OUTPUT TITLE AND HEADING
GO TO TOP OF FORM IF FIRST PASS
ERROR MSG CDA
PICK UP IDENTIFIER
REPORT
REPORT MSG CDA

GO TO TOP OF FORM
PRINT TITLE AND HEADING

A
A
A

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719				PAGE		
720				BRUND 8		
721				*		PRINT-LEVEL 4
722	01	0025A	00000000 A	PRINT	PZE	
723	01	0025B	00000000 A		PZE	
724	01	0025C	0000025E		PZE#0	s+2
725	01	0025D	00000000 A		PZE	
726	01	0025E	CC80031C	BUSY	SIO#11	*TYPE
727	01	0025F	68C00267		BCR#12	DBNEM5;
728	01	00260	6840025E		BCR#4	BUSY
729	01	00261	68800263		BCR#8	s+2
730	01	00262	6800026F		B	EXITI0
731	01	00263	48B002FE		AND#11	603
732	01	00264	48B002FE		ESR#11	603
733	01	00265	6830025E		BEZ	BUSY
734	01	00266	6800026F		B	EXITI0
735	01	00267	0080031C	DBNEM5G	TIO#11	*TYPE
736	01	00268	68C0026F		BCR#12	EXITI0
737	01	00269	68400267		BCR#4	DBNEM5G
738	01	0026A	6880026C		BCR#8	s+2
739	01	0026B	6800026F		B	EXITI0
740	01	0026C	48B002FE		AND#11	603
741	01	0026D	48B002FE		ESR#11	603
742	01	0026E	68300267		BEZ	DBNEM5G
743	01	0026F	0E00025A	EXITI0	LPSD#0	PRINT
744	01	00270	32200277	SETRPLY	LW#2	REPLAY
745	01	00271	35200026 A		STW#2	38
746	01	00272	6C000000 A		R#0	0
747	01	00273	68800100		BCR#8	AUTO
748				*****	PREVENT COUNTER INTERRUPT IMPLEMENTATION *****	
749	01	00274	2E000000 A		WAIT	0
750	01	00275	32200340		LW#2	ZER0
751	01	00276	35200313		STW#2	CPINTM
752	01	00277	68000100	REPLAY	B	AUTO
753					BRUND	8

OUTPUT MSG
SIO ACCEPTED
SIO BUSY. REPEAT SIO
GO IF SIO NOT ACCEPTED
IO ADDR NOT RECOGNIZED
SAVE OPERATIONAL STATE BITS

DEVICE BUSY. REPEAT SIO
DEVICE NOT OPERATIONAL OR UNAVAIL

SIO BUSY
ACCEPTABLE SIO NOT CURRENTLY PASS
IO ADDR NOT RECOGNIZED
SAVE OPERATIONAL STATE BITS

DEVICE BUSY. REPEAT IIO
BRANCH TO AUTO IS STORED INTO LBC#26

READ THE SENSE SWITCHES
GO IF SS1 IS OFF
TURN SENSE SWITCH 1 OFF.

A
A
A
A
A

output msg

```

754
755 01 00278 02000000 A DBNE PAGE NO ACTION REQUIRED SKIP TO RTC
756 *THE FOLLOWING ROUTINE IMPLEMENTS THE COUNT PULSE INTERRUPTS AFTER X'20
757 *PASSES WITHOUT ERROR
758 01 00279 3130031A RTC CW#3 MAXCNT
759 01 0027A 69300106 BNE CYCLE=1
760 01 0027B 21200000 A CI#2 0
761 01 0027C 69300106 BNE CYCLE=1
762 01 0027D 32000313 LW#0 CPINTM
763 01 0027E 68300106 BEZ CYCLE=1 DO NOT OUTPUT MSG
764 01 0027F 32000359 LW#0 PRTCMSG
765 01 00280 0F00025A XPSD#0 PRINT
766 01 00281 32000332 LW#0 MASK#4 BITS FOR COUNTER 1,2,3 AND 4
767 01 00282 35000312 STW#0 CPINT STORED IN# CPINT
768 01 00283 68000106 B CYCLE=1 RESUME WITH FIRST MODULE
769 01 00284 000003DF N IAP DATA MEMORY=1
    
```

```

770
771 01 00285 00000000 A PAGE
01 00286 00000000 A FILL X'296'
01 00287 00000000 A
01 00288 00000000 A
01 00289 00000000 A
01 0028A 00000000 A
01 0028B 00000000 A
01 0028C 00000000 A
01 0028D 00000000 A
01 0028E 00000000 A
01 0028F 00000000 A
01 00290 00000000 A
01 00291 00000000 A
01 00292 00000000 A
01 00293 00000000 A
01 00294 00000000 A
01 00295 00000000 A

772 **
773 ** ENTER AT THIS POINT TO BEGIN I/O COMPATIBILITY TEST
774 ** ENTER I/O DEVICE ADDRESS IN LOG X'10'
775 **
776 01 00296 22E00020 A SETINTR LI#14 X'20'
777 01 00297 35E002A4 STW#14 IOM PUT I/O INTERRUPT BIT IN IOM
778 01 00298 6DE01200 A WD#14 X'1200' ARM AND ENABLE I/O INTERRUPT
779 01 00299 6800029E B AIO
780 R
781 01 0029A 00000106 N IOINTR DATA CYCLE=1#0,AIO#0 ENTRY TO INTERRUPT ROUTINE
01 0029B 00000000 A
01 0029C 0000029E N
01 0029D 00000000 A
782 01 0029E 6EF00000 A AIO AIO#15 0 CLEAR INTERRUPT PENDING
783 01 0029F 350002A6 STW#0 SAVEO
784 01 002A0 320002A5 LW#0 DISCOMP COMMAND DEJBLEWORD ADDRESS
785 01 002A1 CC000010 A SI#0 #16 X'10' HAS DEVICE ADDRESS
786 01 002A2 320002A6 LW#0 SAVEO RESTORE C(RO)
787 01 002A3 0E30029A LPSD#3 IOINTR RETURN TO PROGRAM
788 01 002A4 00000000 A IOM DATA 0 CHANGED TO X'20' FOR I/O COMPAT.
    
```

789 01 002A5 SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00
00000154 N P18C6MP P I8C6MP
790 01 002A6 00000000 A SAVED DATA 0 CDA

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791 SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00
792 PAGE 35
793 01 002A8 05000AAR N I8C6MP 3RUND 8
794 01 002A9 500000 A J 5,C9MP-1 CDA
795 01 002A9 3 31154040 A COMP GEN#24 X'500000'
TEXTC IN IS COMPATIBILITY TEST IS IN PROGRESS'
01 002AA 3 40404040 A
01 002AB 3 40404040 A
01 002AC 3 4040C9DF A
01 002AD 3 40C3D6D4 A
01 002AE 3 D7C1E3C9 A
01 002AF 3 C2C9D3C9 A
01 002B0 3 E3E840E3 A
01 002B1 3 C5E2E34D A
01 002B2 3 C9E240C9 A
01 002B3 3 D540D7D9 A
01 002B4 3 D6C7D9C5 A
01 002B5 3 E2E24040 A

		SIGMA 5/7 CPU DIAG. FLOAT 704046-51A00				36	
		PAGE					
		ORIG				X'2091	
796							
797	01 002D9						
	01 002D9						
798			*			CONSTANTS AND WORKING STORAGE	A
799	01 002D9	43D00336	ANFR0	AND#13	FILTER	PICK OFF CONVERTED BYTE	A
800	01 002DA	43D00338	ANFR2	AND#13	FILTER+2		A
801	01 002DB	4390032E	ANMK	AND#9	MASK	PICK OFF CHAR. TO BE CONVERTED	A
802	01 002DC	000003E0	INDA	PZE#0	MEMORY	INDIRECT ADDRESS	A
803	01 002DD	00000145	LBC2AD	PZE#0	LBC+2		A
804	01 002DE	00000143	LBCADD	PZE#0	LBC		A
805	01 002DF	0000009A	CAL1AD	PZE#0	CAL1++		A
806	01 002E0	000000AE	CAL2AD	PZE#0	CAL2++		A
807	01 002E1	000000C2	CAL3AD	PZE#0	CAL3++		A
808	01 002E2	000000D6	CAL4AD	PZE#0	CAL4++		A
809	01 002E3	0000008E	DFAD	PZE#0	DF++		A
810	01 002E4	00000088	FLPFAD	PZE#0	FLPF++		A
811	01 002E5	00000082	FXPBAD	PZE#0	FXPB++		A
812	01 002E6	000003E0	MEMAD	PZE#0	DA(MEMORY)		A
813	01 002E7	00000062	NABAD	PZE#0	NAB++		A
814	01 002E8	0000007C	SLAD	PZE#0	SL++		A
815	01 002E9	00000076	UIIAD	PZE#0	UII++		A
816	01 002EA	00000094	WDTRAD	PZE#0	WDTR++		A
817	01 002EB	0F000096	CAL1XD	XPSD#0	CAL1		A
818	01 002EC	0F0000AA	CAL2XD	XPSD#0	CAL2		A
819	01 002ED	0F0000BE	CAL3XD	XPSD#0	CAL3		A
820	01 002EE	0F0000D2	CAL4XD	XPSD#0	CAL4		A
821	01 002EF	0F00005E	NABXD	XPSD#0	NAB		A

		SIGMA 5/7 CPU DIAG. FLOAT 704046-51A00				37	
		PAGE					
822							
823	01 002F0	3290031F	LWRIT	LW#9	BIT	PICK UP MARCHING BITS	A
824	01 002F1	32D00340	LWBYE	LW#13	BYTE	SELECT BYTE	A
825	01 002F2	32A00001 A	LWADR	LW#10	1	PICK UP REGISTERS FOR OUTPUT	A
826	01 002F3	32000324	LWN	LW#0	NUMBER	PICK UP NUMBERS	A
827	01 002F4	32000326	LWN2	LW#0	NUMBER+2		A
828	01 002F5	32000329	LWFRM	LW#13	FRAME	PICK UP FRAMES	A
829	01 002F6	32D0032B	LWFRM2	LW#13	FRAME+2		A
830	01 002F7	32400408	LWAD	LW#4	LIST	LOAD TRANSFER VERTICAL WITH DATA M50JA	A
831	01 002F8	00000184	RETEND	PZE#0	END	RETURN TO END	A
832	01 002F9	354003C4	STORE	STW#4	TABLE	SET TABLE	A
833	01 002FA	350003AF	STRM31	STW#13	IMAGE+1		A

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00 38

834					PAGE			
835	01	002F3	FF3FFFFF	A	LINKAD	DATA	X'FF3FFFFF'	
836	01	002FC	FFF00000	A	C0ND	DATA	X'FFF00000'	
837	01	002FD	FFF00000	A	M1015	DATA	X'FFF00000'	
838	01	002FE	70000000	A	603	GEN#4,28	7,0	CHECKS I/A F9R BJSY 9R MANUAL
839	01	002FF	20000000	A	203	DATA	X'20000000'	
840	01	00300	00400000	A	19	DATA	X'40000000'	
841	01	00301	0000000C	A	CEE	DATA	12	
842	01	00302	00000006	A	SIX	DATA	6	
843	01	00303	00000001	A	ONE	DATA	1	
844	01	00304	FFFFFFFE	A	FIRST	DATA	-2	
845	01	00305	FFFFFFFD	A	NEG3	DATA	-3	
846	01	00306	FFFFFFFB	A	NEG8	DATA	-8	
847	01	00307	FFFFFFF4	A	NEG12	DATA	-12	
848	01	00308	FFFFFFEC	A	NEG20	DATA	-20	
849	01	00309	FFFFFFCD	A	NEG51	DATA	-51	
850	01	0030A	FFFFFFCD	A	LINE	DATA	-51	
851	01	0030B	10000000	A	INSTID	I	1,0	INSTRUCTION
852	01	0030C	20000144	N	XPSDID	I	2,LBC+1	LOCATION+1
853	01	0030D	30000000	A	IAID	I	3,0	INDIRECT ADDRESS
854	01	0030E	40000001	A	IXID	I	4,1	INDEX
855	01	0030F	50000001	A	PSDWID	I	5,1	PROGRAM STATUS DOUBLEWORD
856	01	00310	60000000	A	REGID	I	6,0	REGISTERS
857	01	00311	700003E0	N	MEMID	I	7, MEMORY	MEMORY WORDS

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00 39

858					PAGE			
859					*CPINT	SEC#MES	0000F000	AFTER X'20' ERROR FREE PASSES (SEE RTC)
860	01	00312	00000000	A	CPINT	DATA	0	
861	01	00313	0000F000	A	CPINTM	DATA	X'F000'	
862	01	00314	40404040	A	SPACE	TEXT	'	12 SPACES
863	01	00316	40404040	A				
864	01	00317	08000000	A	M0TISN	DATA	X'80000000'	
865	01	00318	00000000	A	TEMP	DATA	0	
866	01	00319	10000000	A	T0P	DATA	X'10000000'	
867	01	0031A	00200000	A	MAXCNT	DATA	X'200000'	
868	01	0031B	F1000000	A	PGB	DATA	X'F1000000'	
869	01	0031C	00000001	A	TYPE	DATA	1	OUTPUT MSG DEVICE ADDR
870	01	0031D	00000810	A	PCPINT	DATA	X'810'	
871	01	0031E	00000020	A	IBINT	DATA	X'20'	
872	01	0031F	11111111	A	BIT	DATA	X'11111111'	
873	01	00320	22222222	A		DATA	X'22222222'	
874	01	00321	44444444	A		DATA	X'44444444'	
875	01	00322	88888888	A		DATA	X'88888888'	
876	01	00323	000003F7	N	9DDBALL	DATA	SPURTRAP	

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00										40	
876									PAGE		A
877	01	00324	FFFFFFFFC	A	NUMBER	DATA	-4				A
878	01	00325	FFFFFFFFC	A		DATA	-4				A
879	01	00326	FFFFFFFFE	A		DATA	-2				A
880	01	00327	FFFFFFFFC	A		DATA	-4				A
881	01	00328	FFFFFFFFE	A		DATA	-2				A
882	01	00329	F0F0F0F0	A	FRAME	DATA	X'F0F0F0F0'	2 WORDS			A
883	01	0032A	F0F0F0F0	A		DATA	X'F0F0F0F0'				A
884	01	0032B	4040F0F0	A		DATA	X'4040F0F0'	3 WORDS			A
885	01	0032C	F0F0F0F0	A		DATA	X'F0F0F0F0'				A
886	01	0032D	F0F04040	A		DATA	X'F0F04040'				A
887	01	0032E	F0000000	A	MASK	DATA	X'F0000000'				A
888	01	0032F	0F000000	A		DATA	X'F0000000'				A
889	01	00330	00F00000	A		DATA	X'F0000000'				A
890	01	00331	000F0000	A		DATA	X'F0000000'				A
891	01	00332	0000F000	A		DATA	X'F0000000'				A
892	01	00333	00000F00	A		DATA	X'F0000000'				A
893	01	00334	000000F0	A		DATA	X'F0000000'				A
894	01	00335	0000000F	A		DATA	X'F0000000'				A
895	01	00336	FF000000	A	FILTER	DATA	X'FF000000'				A
896	01	00337	00FF0000	A		DATA	X'FF000000'				A
897	01	00338	0000FF00	A		DATA	X'FF000000'				A
898	01	00339	000000FF	A		DATA	X'FF000000'				A
899	01	0033A	FF000000	A		DATA	X'FF000000'				A
900	01	0033B	00FF0000	A		DATA	X'FF000000'				A
901	01	0033C	0000FF00	A		DATA	X'FF000000'				A
902	01	0033D	000000FF	A		DATA	X'FF000000'				A
903	01	0033E	FF000000	A		DATA	X'FF000000'				A
904	01	0033F	00FF0000	A		DATA	X'FF000000'				A

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00										41
905									PAGE	
906									FILL	X'340'
907					**					

TO PROVIDE A 64 WORD BOUNDARY
REQUIRED FOR THE FORMAT ROUTINE

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00

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908				PAGE				
909	01	00340	00000000	A	BYTE	DATA	0	0
910	01	00341	01010101	A		DATA	X'01010101'	1
911	01	00342	02020202	A		DATA	X'02020202'	2
912	01	00343	03030303	A		DATA	X'03030303'	3
913	01	00344	04040404	A		DATA	X'04040404'	4
914	01	00345	05050505	A		DATA	X'05050505'	5
915	01	00346	06060606	A		DATA	X'06060606'	6
916	01	00347	07070707	A		DATA	X'07070707'	7
917	01	00348	08080808	A		DATA	X'08080808'	8
918	01	00349	09090909	A		DATA	X'09090909'	9
919	01	0034A	31313131	A		DATA	X'31313131'	A
920	01	0034B	32323232	A		DATA	X'32323232'	B
921	01	0034C	33333333	A		DATA	X'33333333'	C
922	01	0034D	34343434	A		DATA	X'34343434'	D
923	01	0034E	35353535	A		DATA	X'35353535'	E
924	01	0034F	36363636	A		DATA	X'36363636'	F

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925								
926								
927	01	00350	000001AD	N	* PSIXCR	P	SIXCR	COMMAND PAIRS
928	01	00351	000001AE	N	PTITLE	P	TITLE	A
929	01	00352	000001AF	N	PHEAD	P	HEAD	A
930	01	00353	00000180	N	PSHRTL	P	SHRTL	A
931	01	00354	000001B1	N	PLBNGL	P	LNGL	A
932	01	00355	000001B2	N	LPSTOP	P	PGSTOP	A
933	01	00356	000001B7	N	LPFORMAT	P	PFORMAT	A
934	01	00357	000001B3	N	LPERR	P	PERR	A
935	01	00358	000001B5	N	LPREPRT	P	PREPRT	A
936	01	00359	000001B8	N	PRTMSG	P	RTMSG	A
937								
938	01	0035A	05000E2C	N	SIXCR	J	S,TTL	A
939	01	0035B	08000006	A		DATA	X'80000006'	A
940	01	0035C	05000E2C	N	TITLE	J	S,TTL	A
941	01	0035D	08000039	A		DATA	X'80000039'	A
942	01	0035E	05000E68	N	HEAD	J	S,HD3	A
943	01	0035F	08000050	A		DATA	X'80000050'	A
944	01	00360	05000E88	N	SHRTL	J	S,IMAGE	A
945	01	00361	0800002C	A		DATA	X'8000002C'	A
946	01	00362	05000E88	N	LNGL	J	S,IMAGE	A
947	01	00363	08000054	A		DATA	X'80000054'	A

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00 44

948				PAGE		
949	01	00364	03000C6C N	P88T8P	J	3,P88
950	01	00365	08000001 A		GEN#8,24	8,1
951	01	00366	01000C50 N	PERR	J	1,SPACE
952	01	00367	80000008 A		GEN#4,28	8,8 DC
953	01	00368	01000EBC N		J	1,IMAGE+1
954	01	00369	08000050 A		DATA	X'8000050'
955	01	0036A	01000C50 N	PREP8RT	J	1,SPACE
956	01	0036B	80000008 A		GEN#4,28	8,8
957	01	0036C	01000EBC N		J	1,IMAGE+1
958	01	0036D	08000028 A		DATA	X'8000028'
959	01	0036E	01000C50 N	PFORMAT	J	1,SPACE
960	01	0036F	80000008 A		GEN#4,28	8,8
961	01	00370	01000E34 N		J	1,TTL+2
962	01	00371	20000031 A		GEN#8,24	32,49 CC
963	01	00372	01000C50 N		J	1,SPACE
964	01	00373	80000008 A		GEN#4,28	8,11
965	01	00374	01000E6C N		J	1,H08+1
966	01	00375	0800004C A		GEN#8,24	X'8',X'4C'

SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00 45

967				PAGE		
968	01	00376	05000DE0 N	RTMSG	J	5,MSG+1
969	01	00377	080000 A		GEN#24	X'080000'
970				MSG	TEXTC	IN REAL TIME CLOCKS IN USE. TO DISABLE, ,'
971						' CP INTERRUPT AND CLEAR R5'
	01	00377	3 48154040 A			
	01	00378	3 40404040 A			
	01	00379	3 40404040 A			
	01	0037A	3 4040D9C5 A			
	01	0037B	3 C1D340E3 A			
	01	0037C	3 C9D4C540 A			
	01	0037D	3 C3D3D6C3 A			
	01	0037E	3 D2E240C9 A			
	01	0037F	3 D540E4E2 A			
	01	00380	3 C54340E3 A			
	01	00381	3 D640C4C9 A			
	01	00382	3 E2C1C2D3 A			
	01	00383	3 C56B40C3 A			
	01	00384	3 D740C9D5 A			
	01	00385	3 E3C5D9D9 A			
	01	00386	3 E4D7E340 A			
	01	00387	3 C1D5C440 A			
	01	00388	3 C3D3C5C1 A			
	01	00389	3 D940D9F5 A			
972				BRUND		4

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SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00

				PAGE	
973					
974	01	0038B	15151515 A	TTL	DATA X'15151515'
975	01	0038C	15151540 A		DATA X'15151540'
976	01	0038D	40404040 A		DATA X'40404040'
977	01	0038E	40404040 A		DATA X'40404040'
978	01	0038F	40404040 A		DATA X'40404040'
979	01	00390	40404040 A		DATA X'40404040'
980	01	00391	40404040 A		DATA X'40404040'
981	01	00392	40404040 A		DATA X'40404040'
982	01	00393	40404040 A		DATA X'40404040'
983	01	00394	4040C6D3 A		DATA X'4040C6D3' X'D6C1E340'
	01	00395	D6C1E340 A		
984	01	00396	C5D9D9D6 A		DATA X'C5D9D9D6'
985	01	00397	D940C4C9 A		DATA X'D940C4C9'
986	01	00398	E2D7D3C1 A		DATA X'E2D7D3C1'
987	01	00399	E8404040 A		DATA X'E8404040'

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SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00

				PAGE	
988					
989	01	0039A	15404040 A	H03	DATA X'15404040'
990	01	0039B	40D3C9E2 A		DATA X'40D3C9E2'
991	01	0039C	E3404040 A		DATA X'E3404040'
992	01	0039D	4040C5D9 A		DATA X'4040C5D9'
993	01	0039E	D9D6D9E2 A		DATA X'D9D6D9E2'
994	01	0039F	40404040 A		DATA X'40404040'
995	01	003A0	D7C1E2E2 A		DATA X'D7C1E2E2'
996	01	003A1	C5E24040 A		DATA X'C5E24040'
997	01	003A2	404040C9 A		DATA X'404040C9'
998	01	003A3	D5E2E340 A		DATA X'D5E2E340'
999	01	003A4	4040C9C4 A		DATA X'4040C9C4'
1000	01	003A5	C5D5E3C9 A		DATA X'C5D5E3C9'
1001	01	003A6	C6C9C5D9 A		DATA X'C6C9C5D9'
1002	01	003A7	40404040 A		DATA X'40404040'
1003	01	003A8	C9E24040 A		DATA X'C9E24040'
1004	01	003A9	4040E2C8 A		DATA X'4040E2C8'
1005	01	003AA	D6E4D3C4 A		DATA X'D6E4D3C4'
1006	01	003AB	40C2C540 A		DATA X'40C2C540'
1007	01	003AC	404040C4 A		DATA X'404040C4'
1008	01	003AD	C9C6C615 A		DATA X'C9C6C615'

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SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00

1009				PAGE		
1010	01	003AE	40404015	A	IMAGE	
1011	01	003AF	00000000	A	DATA	X'40404015'
					FILL	*+19
	01	003B0	00000000	A		
	01	003B1	00000000	A		
	01	003B2	00000000	A		
	01	003B3	00000000	A		
	01	003B4	00000000	A		
	01	003B5	00000000	A		
	01	003B6	00000000	A		
	01	003B7	00000000	A		
	01	003B8	00000000	A		
	01	003B9	00000000	A		
	01	003BA	00000000	A		
	01	003BB	00000000	A		
	01	003BC	00000000	A		
	01	003BD	00000000	A		
	01	003BE	00000000	A		
	01	003BF	00000000	A		
	01	003C0	00000000	A		
	01	003C1	00000000	A		
1012	01	003C2	40404040	A	BLANK DATA	X'40404040'

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SIGMA 5/7 CPU DIAG. FLBAT 704046-51A00

1013				PAGE		
1014				BOUND 8		
1015	01	003C4		A	TABLE	RES 0
1016	01	003C4	00000000	A	DATA	0
1017	01	003C5	00000000	A	DATA	0
1018	01	003C6	00000000	A	DATA	0
1019	01	003C7	00000000	A	DATA	0
1020	01	003C8	00000000	A	DATA	0
1021	01	003C9	00000000	A	DATA	0
1022	01	003CA	00000000	A	DATA	0
1023	01	003CB	00000000	A	DATA	0
1024	01	003CC	00000000	A	DATA	0
1025	01	003CD	00000000	A	DATA	0
1026	01	003CE	00000000	A	DATA	0
1027	01	003CF	00000000	A	DATA	0
1028	01	003D0	00000000	A	DATA	0
1029	01	003D1	00000000	A	DATA	0
1030	01	003D2	00000000	A	DATA	0
1031	01	003D3	00000000	A	DATA	0
1032	01	003D4	00000000	A	DATA	0
1033	01	003D5	00000000	A	DATA	0
1034	01	003D6	00000000	A	DATA	0,0
	01	003D7	00000000	A		

NEG COUNT OF WORDS IN CURRENT MODULE
 INSTRUCTION BEING TESTED
 PSW1 IN
 PSW1 OUT
 R IN
 R OUT
 MEMORY IN
 MEMORY OUT
 RUI IN
 RUI OUT
 MEMORY+1 IN
 MEMORY+1 OUT
 PSW2 IN
 PSW2 OUT
 OLD PSW1 = USED ONLY FOR XPSD TEST
 OLD PSW2 = USED ONLY FOR XPSD TEST
 NEW PSW1 = USED ONLY FOR XPSD TEST
 NEW PSW2 = USED ONLY FOR XPSD TEST

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SIGMA 5/7 CPU DIAG• FLBAT 704046-51A00

1035				PAGE	
1036	01	003D8		TEST	RES 0
1037	01	003D8	00000000	FILL	S+12
	01	003D9	00000000		
	01	003DA	00000000		
	01	003DB	00000000		
	01	003DC	00000000		
	01	003DD	00000000		
	01	003DE	00000000		
	01	003DF	00000000		
	01	003E0	00000000		
	01	003E1	00000000		
	01	003E2	00000000		
	01	003E3	00000000		

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SIGMA 5/7 CPU DIAG• FLBAT 704046-51A00

1038				PAGE		
1039	01	003E4	00000000	RETURN	PZE	
1040	01	003E5	00000000		PZE	
1041	01	003E6	00000145		PZE,0	LBC*2
1042	01	003E7	00000000		PZE	
1043	01	003E8	00000215	BUMP	PZE,0	BUMPER
1044	01	003E9	00000000		PZE	
1045	01	003EA	00000107	REPEAT	PZE,0	CYCLE
1046	01	003EB	00000000		PZE	
1047	01	003EC	00000000	PS#1	PZE	
1048	01	003ED	00000000	PS#2	PZE	
1049	01	003EE	00000000	CNT1CP	PZE	
1050	01	003EF	00000000	CNT2CP	PZE	
1051	01	003F0	00000000	CNT3CP	PZE	
1052	01	003F1	00000000	CNT*CP	PZE	
1053	01	003F2	00000000	CBUNT	PZE	
1054	01	003F3	00000000	ERRBRS	PZE	
1055	01	003F4	00000000	PASSES	PZE	
1056	01	003F5	00000000	WKR	PZE	
1057	01	003F6	00000000	WBRD	PZE	
1058		01 00340		ZERO	EQU	BYTE
1059		01 00324		NEG*	EQU	NUMBER
1060		01 00326		NEG2	EQU	NUMBER*2
1061		01 00047		XPSD	EQU	BRANCH
1062		00000000		C	EQU	0
1063		00000000		I	EQU	0
1064		00000000		Y	EQU	0
1065		01 003D3		INST	EQU	TEST+1
1066		01 003DA		IA	EQU	TEST+2
1067		01 003E0		MEMORY	EQU	TEST+8
1068		01 00340		CNT#2	EQU	ZERO
1069		01 00340		CNT*Z	EQU	ZERO
1070		01 003EA		MODULE	EQU	REPEAT
1071		01 003EA		PASS	EQU	REPEAT

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1072				PAGE			
1073	01	003F7	0F0003F8	SPURTRAP	XPSD#0	SPUR	
1074				B&UND	8		
1075	01	003F8	00000000 A	SPUR	PZE	0	
1076	01	003F9	00000000 A		PZE	0	
1077	01	003FA	000003FC		PZE#0	#+2	
1078	01	003FB	07000000 A		DATA	X'07000000'	TURN ON INTR INH BITS
1079	01	003FC	32500312		LW#5	CPINT	
1080	01	003FD	60501300 A		WD#5	X'1300'	ARM AND DISABLE COUNT PULSE INTR#
1081	01	003FE	323003F4		LW#3	PASSES	RESET PASSES TO LAST SETTING
1082	01	003FF	322003F3		LW#2	ERRORS	RESET ERRORS TO LAST SETTING
1083	01	00400	32100113		LW#1	SAVE	MODULE POINTER
1084	01	00401	3200031C		LW#0	TYPE	I/O ADDR
1085	01	00402	2E000000 A		WAIT#0	0	ERROR HALT
1086							
1087							
1088							
1089							
1090	01	00403	43500332		AND#5	MASK#4	SAVE ONLY BITS 16-19
1091	01	00404	35500312		STW#5	CPINT	SELECTED INTERRUPTS
1092	01	00405	3500031C		STW#0	TYPE	SELECTED I/O ADDR
1093	01	00406	35500313		STW#5	CPINTM	MASK FOR SELECTED INTERRUPTS
1094	01	00407	0E3003EA		LPSD#3	REPEAT	RELEASE PANEL INTERRUPT-REPEAT TEST
1095					B&UND	8	

* CHECK THE CONTENTS OF 3E4 (RETURN) TO DETERMINE THE LOCATION #1 OF
 * THE XPSD THAT WAS EXECUTED AS A RESULT OF A SPURIOUS TRAP.

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1096				PAGE			
1097	01	00408		LIST	RES	0	
1098	01	00408	FFFFFFFF4 A	FAL01	DATA	-12	FAL
1099	01	00409	10C003E0		FAL#1P	MEMORY	
1100	01	0040A	00300198 N		K	0,0,3,FLPFSW	
1101	01	0040B	10300145 N		K	1,0,3,LBC+2	
1102	01	0040C	BFAAAAAA A		DATA	X'BFAAAAAA'	
1103	01	0040D	BF555555 A		DATA	X'BF555555'	
1104	01	0040E	BFAAAAAA A		DATA	X'BFAAAAAA'	
1105	01	0040F	BFAAAAAA A		DATA	X'BFAAAAAA'	
1106	01	00410	AAAAAAAA A		DATA	X'AAAAAAAA'	
1107	01	00411	55555554 A		DATA	X'55555554'	
1108	01	00412	AAAAAAAA A		DATA	X'AAAAAAAA'	
1109	01	00413	AAAAAAAA A		DATA	X'AAAAAAAA'	
1110	01	00414	FFFFFFFF4 A	FAL02	DATA	-12	FAL
1111	01	00415	10C003E0		FAL#12	MEMORY	
1112	01	00416	00300198 N		K	0,0,3,FLPFSW	
1113	01	00417	10300145 N		K	1,0,3,LBC+2	
1114	01	00418	C0555555 A		DATA	X'C0555555'	
1115	01	00419	BFEAAAAA A		DATA	X'BFEAAAAA'	
1116	01	0041A	C0555555 A		DATA	X'C0555555'	
1117	01	0041B	C0555555 A		DATA	X'C0555555'	
1118	01	0041C	55555555 A		DATA	X'55555555'	
1119	01	0041D	AAAAAAAA8 A		DATA	X'AAAAAAAA8'	
1120	01	0041E	55555555 A		DATA	X'55555555'	
1121	01	0041F	55555555 A		DATA	X'55555555'	
1122	01	00420	FFFFFFFF4 A	FAL03	DATA	-12	FAL
1123	01	00421	10C003E0		FAL#12	MEMORY	CARRY INTO PRIME ADDR
1124	01	00422	00300198 N		K	0,0,3,FLPFSW	
1125	01	00423	20300145 N		K	2,0,3,LBC+2	
1126	01	00424	407FFFFFF A		DATA	X'407FFFFFF'	
1127	01	00425	40800000 A		DATA	X'40800000'	
1128	01	00426	40000000 A		DATA	X'40000000'	
1129	01	00427	40000000 A		DATA	X'40000000'	
1130	01	00428	FFFFFFFF A		DATA	X'FFFFFFFF'	
1131	01	00429	00000000 A		DATA	X'0'	
1132	01	0042A	00000001 A		DATA	X'1'	
1133	01	0042B	00000001 A		DATA	X'1'	

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1134				PAGE			
1135	01	0042C	FFFFFFFF4 A	FAL04	DATA	-12	FAL CARRY INTO PRIME ADDEP
1136	01	0042D	1DC003E0		FAL*12	MEMBRY	
1137	01	0042E	0030019B N		K	0,0,3,FLPFSW	
1138	01	0042F	20300145 N		K	2,0,3,LBC+2	
1139	01	00430	40000000 A		DATA	X'40000000'	
1140	01	00431	41100000 A		DATA	X'41100000'	
1141	01	00432	40FFFFFF A		DATA	X'40FFFFFF'	
1142	01	00433	40FFFFFF A		DATA	X'40FFFFFF'	
1143	01	00434	00000001 A		DATA	X'11'	
1144	01	00435	00000000 A		DATA	X'01'	
1145	01	00436	FFFFFFFF A		DATA	X'FFFFFFFF'	
1146	01	00437	FFFFFFFF A		DATA	X'FFFFFFFF'	
1147	01	00438	FFFFFFFF4 A	FAL05	DATA	-12	FAL FN=1 ZERO RESULT UNNORM
1148	01	00439	1DC003E0		FAL*12	MEMBRY	
1149	01	0043A	0730019B N		K	0,7,3,FLPFSW	
1150	01	0043B	07300145 N		K	0,7,3,LBC+2	
1151	01	0043C	00000000 A		DATA	X'01'	
1152	01	0043D	00000000 A		DATA	X'01'	
1153	01	0043E	00000000 A		DATA	X'01'	
1154	01	0043F	00000000 A		DATA	X'01'	
1155	01	00440	00000000 A		DATA	X'01'	
1156	01	00441	00000000 A		DATA	X'01'	
1157	01	00442	00000000 A		DATA	X'01'	
1158	01	00443	00000000 A		DATA	X'01'	
1159	01	00444	FFFFFFFF4 A	FAL06	DATA	-12	FAL FN=1 PBS RESULT UNNORM
1160	01	00445	9DCE0284		FAL*12	*IAP,7	
1161	01	00446	0730019B N		K	0,7,3,FLPFSW	
1162	01	00447	27300145 N		K	2,7,3,LBC+2	
1163	01	00448	4000003F A		DATA	X'4000003F'	
1164	01	00449	4000007F A		DATA	X'4000007F'	
1165	01	0044A	4000003F A		DATA	X'4000003F'	
1166	01	0044B	4000003F A		DATA	X'4000003F'	
1167	01	0044C	FFFFFFFF A		DATA	X'FFFFFFFF'	
1168	01	0044D	FFFFFFFF A		DATA	X'FFFFFFFF'	
1169	01	0044E	FFFFFFFF A		DATA	X'FFFFFFFF'	
1170	01	0044F	FFFFFFFF A		DATA	X'FFFFFFFF'	

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1171				PAGE			
1172	01	00450	FFFFFFFF4 A	FAL07	DATA	-12	FAL FN=1 NEG RESULT UNNORM
1173	01	00451	9DC003DA		FAL*12	*IA	
1174	01	00452	0730019B N		K	0,7,3,FLPFSW	
1175	01	00453	17300145 N		K	1,7,3,LBC+2	
1176	01	00454	4000003F A		DATA	X'4000003F'	
1177	01	00455	8FFFFFFD0 A		DATA	X'8FFFFFFD0'	
1178	01	00456	8FFFFFF90 A		DATA	X'8FFFFFF90'	
1179	01	00457	8FFFFFF90 A		DATA	X'8FFFFFF90'	
1180	01	00458	FFFFFFFF A		DATA	X'FFFFFFFF'	
1181	01	00459	00000000 A		DATA	X'01'	
1182	01	0045A	00000001 A		DATA	X'11'	
1183	01	0045B	00000001 A		DATA	X'11'	
1184	01	0045C	FFFFFFFF4 A	FAL08	DATA	-12	FAL FN=0,FZ=0,UNDRFLBW
1185	01	0045D	1DC003E0		FAL*12	MEMBRY	
1186	01	0045E	0430019B N		K	0,4,3,FLPFSW	
1187	01	0045F	C4300145 N		K	12,4,3,L9C+2	
1188	01	00460	00010000 A		DATA	X'100010000'	
1189	01	00461	00000000 A		DATA	X'01'	
1190	01	00462	00010000 A		DATA	X'100010000'	
1191	01	00463	00010000 A		DATA	X'100010000'	
1192	01	00464	FFFFFFFF A		DATA	X'FFFFFFFF'	
1193	01	00465	00000000 A		DATA	X'01'	
1194	01	00466	00000001 A		DATA	X'11'	
1195	01	00467	00000001 A		DATA	X'11'	
1196	01	00468	FFFFFFFF4 A	FAL09	DATA	-12	FAL FN=0,FZ=1,JFLB, RES,TRAP
1197	01	00469	1DC003E0		FAL*12	MEMBRY	
1198	01	0046A	0230019B N		K	0,2,3,FLPFSW	
1199	01	0046B	E230008A N		K	14,2,3,FPFRET+1	
1200	01	0046C	00010000 A		DATA	X'100010000'	
1201	01	0046D	00010000 A		DATA	X'100010000'	
1202	01	0046E	00010000 A		DATA	X'100010000'	
1203	01	0046F	00010000 A		DATA	X'100010000'	
1204	01	00470	00000000 A		DATA	X'01'	
1205	01	00471	00000000 A		DATA	X'01'	
1206	01	00472	00000000 A		DATA	X'01'	
1207	01	00473	00000000 A		DATA	X'01'	

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1208				PAGE			
1209	01	00474	FFFFFFFF4 A	DATA	-12	FAL	FN=0,FZ=1,UFLB,-RES,TRAP
1210	01	00475	10C003E0	FAL,12	MEMBRY		
1211	01	00476	0630019B N	K	0,6,3,FLPFSW		
1212	01	00477	8630008A N	K	8,6,3,FPFRET+1		
1213	01	00478	FFFF0000 A	DATA	X'FFFFFF0000'		
1214	01	00479	FFFF0000 A	DATA	X'FFFFFF0000'		
1215	01	0047A	00010000 A	DATA	X'00010000'		
1216	01	0047B	00010000 A	DATA	X'00010000'		
1217	01	0047C	00000000 A	DATA	X'0'		
1218	01	0047D	00000000 A	DATA	X'0'		
1219	01	0047E	00000000 A	DATA	X'0'		
1220	01	0047F	00000000 A	DATA	X'0'		
1221	01	00480	FFFFFFFF4 A	FAL,11	DATA	-12	FN=0,FS=0,RES=0
1222	01	00481	10C003E0	FAL,12	MEMBRY		
1223	01	00482	0030019B N	K	0,0,3,FLPFSW		
1224	01	00483	80300145 N	K	8,0,3,LBC+2		
1225	01	00484	00000000 A	DATA	X'0'		
1226	01	00485	00000000 A	DATA	X'0'		
1227	01	00486	00000000 A	DATA	X'0'		
1228	01	00487	00000000 A	DATA	X'0'		
1229	01	00488	00000000 A	DATA	X'0'		
1230	01	00489	00000000 A	DATA	X'0'		
1231	01	0048A	00000000 A	DATA	X'0'		
1232	01	0048B	00000000 A	DATA	X'0'		
1233	01	0048C	FFFFFFFF4 A	FAL,12	DATA	-12	FN=0,FS=1,RES=0,TRAP
1234	01	0048D	10C003E0	FAL,12	MEMBRY		
1235	01	0048E	0430019B N	K	0,4,3,FLPFSW		
1236	01	0048F	8430008A N	K	8,4,3,FPFRET+1		
1237	01	00490	00000000 A	DATA	X'0'		
1238	01	00491	00000000 A	DATA	X'0'		
1239	01	00492	00000000 A	DATA	X'0'		
1240	01	00493	00000000 A	DATA	X'0'		
1241	01	00494	00000000 A	DATA	X'0'		
1242	01	00495	00000000 A	DATA	X'0'		
1243	01	00496	00000000 A	DATA	X'0'		
1244	01	00497	00000000 A	DATA	X'0'		

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1245				PAGE			
1246	01	00498	FFFFFFFF4 A	FAL,13	DATA	-12	FN=0,FS=0,+RES,>2 SHIFTS
1247	01	00499	10C003E0	FAL,12	MEMBRY		
1248	01	0049A	0230019B N	K	0,2,3,FLPFSW		
1249	01	0049B	A2300145 N	K	10,2,3,LBC+2		
1250	01	0049C	40000100 A	DATA	X'40000100'		
1251	01	0049D	30200000 A	DATA	X'30200000'		
1252	01	0049E	40000100 A	DATA	X'40000100'		
1253	01	0049F	40000100 A	DATA	X'40000100'		
1254	01	004A0	00000000 A	DATA	X'0'		
1255	01	004A1	00000000 A	DATA	X'0'		
1256	01	004A2	00000000 A	DATA	X'0'		
1257	01	004A3	00000000 A	DATA	X'0'		
1258	01	004A4	FFFFFFFF4 A	FAL,14	DATA	-12	FN=0,FS=0,-RES,>2 SHIFTS
1259	01	004A5	10C003E0	FAL,12	MEMBRY		
1260	01	004A6	0230019B N	K	0,2,3,FLPFSW		
1261	01	004A7	92300145 N	K	9,2,3,LBC+2		
1262	01	004A8	40000100 A	DATA	X'40000100'		
1263	01	004A9	C2F00000 A	DATA	X'C2F00000'		
1264	01	004AA	BFFFFE00 A	DATA	X'BFFFFE00'		
1265	01	004AB	BFFFFE00 A	DATA	X'BFFFFE00'		
1266	01	004AC	00000000 A	DATA	X'0'		
1267	01	004AD	00000000 A	DATA	X'0'		
1268	01	004AE	00000000 A	DATA	X'0'		
1269	01	004AF	00000000 A	DATA	X'0'		
1270	01	004B0	FFFFFFFF4 A	FAL,15	DATA	-12	FN=0,FS=0,UFLB,FZ=0,>2 SH
1271	01	004B1	10C003E0	FAL,12	MEMBRY		
1272	01	004B2	0030019B N	K	0,0,3,FLPFSW		
1273	01	004B3	C0300145 N	K	12,0,3,LBC+2		
1274	01	004B4	00001000 A	DATA	X'00001000'		
1275	01	004B5	00000000 A	DATA	X'0'		
1276	01	004B6	00001000 A	DATA	X'00001000'		
1277	01	004B7	00001000 A	DATA	X'00001000'		
1278	01	004B8	00000000 A	DATA	X'0'		
1279	01	004B9	00000000 A	DATA	X'0'		
1280	01	004BA	00000000 A	DATA	X'0'		
1281	01	004BB	00000000 A	DATA	X'0'		

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1282					PAGE					
1283	01	004BC	FFFFFFF4	A	FAL16	DATA	-12	FAL	FN=0,FS=0,JFL0,FZ=1,+RES,	
1284	01	004BD	1DC003E0			FAL,12	MEMORY		>2 SHIFTS, TRAP	
1285	01	004BE	0230019B	N		K	0,2,3,FLPFSW			
1286	01	004BF	E230008A	N		K	1,2,3,FPFRET+1			
1287	01	004C0	00001000	A		DATA	X'00001000'			
1288	01	004C1	00001000	A		DATA	X'1000'			
1289	01	004C2	00001000	A		DATA	X'00001000'			
1290	01	004C3	00001000	A		DATA	X'1000'			
1291	01	004C4	00000000	A		DATA	X'0'			
1292	01	004C5	00000000	A		DATA	X'0'			
1293	01	004C6	00000000	A		DATA	X'0'			
1294	01	004C7	00000000	A		DATA	X'0'			
1295	01	004C8	FFFFFFF4	A	FAL17	DATA	-12	FAL	FN=0,FS=0,JFL0,FZ=1,-RES,	
1296	01	004C9	1DC003E0			FAL,12	MEMORY		>2 SHIFTS, TRAP	
1297	01	004CA	0230019B	N		K	0,2,3,FLPFSW			
1298	01	004CB	0230008A	N		K	1,2,3,FPFRET+1			
1299	01	004CC	00000100	A		DATA	X'00000100'			
1300	01	004CD	00000100	A		DATA	X'100'			
1301	01	004CE	FFFFFFE0	A		DATA	X'FFFFFFE0'			
1302	01	004CF	FFFFFFE0	A		DATA	X'FFFFFFE0'			
1303	01	004D0	00000000	A		DATA	X'0'			
1304	01	004D1	00000000	A		DATA	X'0'			
1305	01	004D2	00000000	A		DATA	X'0'			
1306	01	004D3	00000000	A		DATA	X'0'			
1307	01	004D4	FFFFFFF4	A	FAL18	DATA	-12	FAL	FN=0,FS=1,+RES,>2 SHIFTS,	
1308	01	004D5	1DC003E0			FAL,12	MEMORY			
1309	01	004D6	0630019B	N		K	0,6,3,FLPFSW			
1310	01	004D7	A630008A	N		K	10,6,3,FPFRET+1			
1311	01	004D8	40000100	A		DATA	X'40000100'			
1312	01	004D9	40000100	A		DATA	X'40000100'			
1313	01	004DA	40000100	A		DATA	X'40000100'			
1314	01	004DB	40000100	A		DATA	X'40000100'			
1315	01	004DC	00000000	A		DATA	X'0'			
1316	01	004DD	00000000	A		DATA	X'0'			
1317	01	004DE	00000000	A		DATA	X'0'			
1318	01	004DF	00000000	A		DATA	X'0'			

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1319					PAGE					
1320	01	004E0	FFFFFFF4	A	FAL19	DATA	-12	FAL	FN=0,FS=1,-RES,>2 SHIFTS,	
1321	01	004E1	1DC003E0			FAL,12	MEMORY		TRAP	
1322	01	004E2	0430019B	N		K	0,4,3,FLPFSW			
1323	01	004E3	9430008A	N		K	9,4,3,FPFRET+1			
1324	01	004E4	40000100	A		DATA	X'40000100'			
1325	01	004E5	40000100	A		DATA	X'40000100'			
1326	01	004E6	BFFFFFFE	A		DATA	X'BFFFFFFE00'			
1327	01	004E7	BFFFFFFE	A		DATA	X'BFFFFFFE00'			
1328	01	004E8	00000000	A		DATA	X'0'			
1329	01	004E9	00000000	A		DATA	X'0'			
1330	01	004EA	00000000	A		DATA	X'0'			
1331	01	004EB	00000000	A		DATA	X'0'			

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1332					PAGE		
1333	01	004EC	FFFFFFFF A	FAS01	DATA	-12	FAS
1334	01	004ED	30C003E0		FAS,12	MEMORY	
1335	01	004EE	0030019B N		K	0,0,3,ELPFSW	
1336	01	004EF	80300145 N		K	8,0,3,LBC+2	
1337	01	004F0	00000000 A		DATA	X'0'	
1338	01	004F1	00000000 A		DATA	X'0'	
1339	01	004F2	00000000 A		DATA	X'0'	
1340	01	004F3	00000000 A		DATA	X'0'	
1341	01	004F4	00000000 A		DATA	X'0'	
1342	01	004F5	00000000 A		DATA	X'0'	
1343	01	004F6	00000000 A		DATA	X'0'	
1344	01	004F7	00000000 A		DATA	X'0'	
1345	01	004F8	FFFFFFFF A	FAS02	DATA	-12	FAS
1346	01	004F9	30C003E0		FAS,12	MEMORY	
1347	01	004FA	0030019B N		K	0,0,3,ELPFSW	
1348	01	004FB	20300145 N		K	2,0,3,LBC+2	
1349	01	004FC	00FFFFFFFF A		DATA	X'00FFFFFFFF'	
1350	01	004FD	00FFFFFFFF A		DATA	X'00FFFFFFFF'	
1351	01	004FE	00000000 A		DATA	X'0'	
1352	01	004FF	00000000 A		DATA	X'0'	
1353	01	00500	00000000 A		DATA	X'0'	
1354	01	00501	00000000 A		DATA	X'0'	
1355	01	00502	00000000 A		DATA	X'0'	
1356	01	00503	00000000 A		DATA	X'0'	
1357	01	00504	FFFFFFFF A	FAS03	DATA	-12	FAS
1358	01	00505	30C003E0		FAS,12	MEMORY	
1359	01	00506	0030019B N		K	0,0,3,ELPFSW	
1360	01	00507	20300145 N		K	2,0,3,LBC+2	
1361	01	00508	00000000 A		DATA	X'0'	
1362	01	00509	00FFFFFFFF A		DATA	X'00FFFFFFFF'	
1363	01	0050A	00FFFFFFFF A		DATA	X'00FFFFFFFF'	
1364	01	0050B	00FFFFFFFF A		DATA	X'00FFFFFFFF'	
1365	01	0050C	00000000 A		DATA	X'0'	
1366	01	0050D	00000000 A		DATA	X'0'	
1367	01	0050E	00000000 A		DATA	X'0'	
1368	01	0050F	00000000 A		DATA	X'0'	

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1369					PAGE		
1370	01	00510	FFFFFFFF A	FAS04	DATA	-12	FAS
1371	01	00511	30C003E0		FAS,12	MEMORY	
1372	01	00512	0030019B N		K	0,0,3,ELPFSW	
1373	01	00513	20300145 N		K	2,0,3,LBC+2	
1374	01	00514	40555555 A		DATA	X'40555555'	
1375	01	00515	40AAAAAA A		DATA	X'40AAAAAA'	
1376	01	00516	40555555 A		DATA	X'40555555'	
1377	01	00517	40555555 A		DATA	X'40555555'	
1378	01	00518	00000000 A		DATA	X'0'	
1379	01	00519	00000000 A		DATA	X'0'	
1380	01	0051A	00000000 A		DATA	X'0'	
1381	01	0051B	00000000 A		DATA	X'0'	
1382	01	0051C	FFFFFFFF A	FAS05	DATA	-12	FAS
1383	01	0051D	30C003E0		FAS,12	MEMORY	
1384	01	0051E	0030019B N		K	0,0,3,ELPFSW	
1385	01	0051F	20300145 N		K	2,0,3,LBC+2	
1386	01	00520	40AAAAAA A		DATA	X'40AAAAAA'	
1387	01	00521	41155555 A		DATA	X'41155555'	
1388	01	00522	40AAAAAA A		DATA	X'40AAAAAA'	
1389	01	00523	40AAAAAA A		DATA	X'40AAAAAA'	
1390	01	00524	00000000 A		DATA	X'0'	
1391	01	00525	00000000 A		DATA	X'0'	
1392	01	00526	00000000 A		DATA	X'0'	
1393	01	00527	00000000 A		DATA	X'0'	
1394	01	00528	FFFFFFFF A	FAS06	DATA	-12	FAS
1395	01	00529	30C003E0		FAS,12	MEMORY	
1396	01	0052A	0030019B N		K	0,0,3,ELPFSW	
1397	01	0052B	20300145 N		K	2,0,3,LBC+2	
1398	01	0052C	00FFFFFFFF A		DATA	X'00FFFFFFFF'	
1399	01	0052D	01100000 A		DATA	X'01100000'	
1400	01	0052E	00000001 A		DATA	X'1'	
1401	01	0052F	00000001 A		DATA	X'1'	
1402	01	00530	00000000 A		DATA	X'0'	
1403	01	00531	00000000 A		DATA	X'0'	
1404	01	00532	00000000 A		DATA	X'0'	
1405	01	00533	00000000 A		DATA	X'0'	

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1406					PAGE		
1407	01	00534	FFFFFFFF A	FAS07	DATA	-12	
1408	01	00535	3DC03DF		FAS#12	MEMORY	-17
1409	01	00536	0030019B N		K	0,0,3,FLPFSW	
1410	01	00537	20300145 N		K	2,0,3,LBC+2	
1411	01	00538	00000001 A		DATA	X'11'	
1412	01	00539	01000000 A		DATA	X'01000000'	
1413	01	0053A	00FFFFFF A		DATA	X'00FFFFFF'	
1414	01	0053B	00FFFFFF A		DATA	X'00FFFFFF'	
1415	01	0053C	00000000 A		DATA	X'0'	
1416	01	0053D	00000000 A		DATA	X'0'	
1417	01	0053E	00000000 A		DATA	X'0'	
1418	01	0053F	00000000 A		DATA	X'0'	
1419	01	00540	FFFFFFFF A	FAS08	DATA	-12	FAS
1420	01	00541	3DC003E0		FAS#12	MEMORY	
1421	01	00542	0030019B N		K	0,0,3,FLPFSW	
1422	01	00543	20300145 N		K	2,0,3,LBC+2	
1423	01	00544	40FFFFFF A		DATA	X'40FFFFFF'	
1424	01	00545	41FFFFFF A		DATA	X'41FFFFFF'	
1425	01	00546	40FFFFFF A		DATA	X'40FFFFFF'	
1426	01	00547	40FFFFFF A		DATA	X'40FFFFFF'	
1427	01	00548	00000000 A		DATA	X'0'	
1428	01	00549	00000000 A		DATA	X'0'	
1429	01	0054A	00000000 A		DATA	X'0'	
1430	01	0054B	00000000 A		DATA	X'0'	
1431	01	0054C	FFFFFFFF A	FAS09	DATA	-12	FAS
1432	01	0054D	3DC003E0		FAS#12	MEMORY	
1433	01	0054E	0030019B N		K	0,0,3,FLPFSW	
1434	01	0054F	20300145 N		K	2,0,3,LBC+2	
1435	01	00550	40AAAAAA A		DATA	X'40AAAAAA'	
1436	01	00551	40FFFFFF A		DATA	X'40FFFFFF'	
1437	01	00552	40555555 A		DATA	X'40555555'	
1438	01	00553	40555555 A		DATA	X'40555555'	
1439	01	00554	00000000 A		DATA	X'0'	
1440	01	00555	00000000 A		DATA	X'0'	
1441	01	00556	00000000 A		DATA	X'0'	
1442	01	00557	00000000 A		DATA	X'0'	

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1443					PAGE		
1444	01	00558	FFFFFFFF A	FAS10	DATA	-12	FAS
1445	01	00559	3DC003E0		FAS#12	MEMORY	
1446	01	0055A	0030019B N		K	0,0,3,FLPFSW	
1447	01	0055B	20300145 N		K	2,0,3,LBC+2	
1448	01	0055C	40222222 A		DATA	X'40222222'	
1449	01	0055D	40444444 A		DATA	X'40444444'	
1450	01	0055E	40222222 A		DATA	X'40222222'	
1451	01	0055F	40222222 A		DATA	X'40222222'	
1452	01	00560	00000000 A		DATA	X'0'	
1453	01	00561	00000000 A		DATA	X'0'	
1454	01	00562	00000000 A		DATA	X'0'	
1455	01	00563	00000000 A		DATA	X'0'	
1456	01	00564	FFFFFFFF A	FAS11	DATA	-12	FAS
1457	01	00565	3DC003E0		FAS#12	MEMORY	
1458	01	00566	0030019B N		K	0,0,3,FLPFSW	
1459	01	00567	20300145 N		K	2,0,3,LBC+2	
1460	01	00568	40888888 A		DATA	X'40888888'	
1461	01	00569	41144444 A		DATA	X'41144444'	
1462	01	0056A	40888888 A		DATA	X'40888888'	
1463	01	0056B	40888888 A		DATA	X'40888888'	
1464	01	0056C	00000000 A		DATA	X'0'	
1465	01	0056D	00000000 A		DATA	X'0'	
1466	01	0056E	00000000 A		DATA	X'0'	
1467	01	0056F	00000000 A		DATA	X'0'	
1468	01	00570	FFFFFFFF A	FAS12	DATA	-12	FAS
1469	01	00571	3DC003E0		FAS#12	MEMORY	
1470	01	00572	0030019B N		K	0,0,3,FLPFSW	
1471	01	00573	20300145 N		K	2,0,3,LBC+2	
1472	01	00574	40DDDDDD A		DATA	X'40DDDDDD'	
1473	01	00575	41166666 A		DATA	X'41166666'	
1474	01	00576	40888888 A		DATA	X'40888888'	
1475	01	00577	40888888 A		DATA	X'40888888'	
1476	01	00578	00000000 A		DATA	X'0'	
1477	01	00579	00000000 A		DATA	X'0'	
1478	01	0057A	00000000 A		DATA	X'0'	
1479	01	0057B	00000000 A		DATA	X'0'	

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1480					PAGE			
1481	01	0057C	FFFFFFFF4	A	FAS13	DATA	-12	FAS
1482	01	0057D	3DC003E0			FAS,12	MEMORY	
1483	01	0057E	0030019B	N		K	0,0,3,FLPFSW	
1484	01	0057F	20300145	N		K	2,0,3,LBC+2	
1485	01	00580	40CCCCC	A		DATA	X'40CCCCC'	
1486	01	00581	4117777	A		DATA	X'4117777'	
1487	01	00582	40AAAAA	A		DATA	X'40AAAAA'	
1488	01	00583	40AAAAA	A		DATA	X'40AAAAA'	
1489	01	00584	0000000	A		DATA	X'0'	
1490	01	00585	0000000	A		DATA	X'0'	
1491	01	00586	0000000	A		DATA	X'0'	
1492	01	00587	0000000	A		DATA	X'0'	
1493	01	00588	FFFFFFFF4	A	FAS14	DATA	-12	FAS
1494	01	00589	3DC003E0			FAS,12	MEMORY	
1495	01	0058A	0030019B	N		K	0,0,3,FLPFSW	
1496	01	0058B	20300145	N		K	2,0,3,LBC+2	
1497	01	0058C	4022222	A		DATA	X'4022222'	
1498	01	0058D	4077777	A		DATA	X'4077777'	
1499	01	0058E	4055555	A		DATA	X'4055555'	
1500	01	0058F	4055555	A		DATA	X'4055555'	
1501	01	00590	0000000	A		DATA	X'0'	
1502	01	00591	0000000	A		DATA	X'0'	
1503	01	00592	0000000	A		DATA	X'0'	
1504	01	00593	0000000	A		DATA	X'0'	
1505	01	00594	FFFFFFFF4	A	FAS15	DATA	-12	FAS
1506	01	00595	3DC003E0			FAS,12	MEMORY	
1507	01	00596	0030019B	N		K	0,0,3,FLPFSW	
1508	01	00597	20300145	N		K	2,0,3,LBC+2	
1509	01	00598	4033333	A		DATA	X'4033333'	
1510	01	00599	4044444	A		DATA	X'4044444'	
1511	01	0059A	4011111	A		DATA	X'4011111'	
1512	01	0059B	4011111	A		DATA	X'4011111'	
1513	01	0059C	0000000	A		DATA	X'0'	
1514	01	0059D	0000000	A		DATA	X'0'	
1515	01	0059E	0000000	A		DATA	X'0'	
1516	01	0059F	0000000	A		DATA	X'0'	

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1517					PAGE			
1518	01	005A0	FFFFFFFF4	A	FAS16	DATA	-12	FAS
1519	01	005A1	3DC003E0			FAS,12	MEMORY	
1520	01	005A2	0030019B	N		K	0,0,3,FLPFSW	
1521	01	005A3	20300145	N		K	2,0,3,LBC+2	
1522	01	005A4	4011111	A		DATA	X'4011111'	
1523	01	005A5	4066666	A		DATA	X'4066666'	
1524	01	005A6	4055555	A		DATA	X'4055555'	
1525	01	005A7	4055555	A		DATA	X'4055555'	
1526	01	005A8	0000000	A		DATA	X'0'	
1527	01	005A9	0000000	A		DATA	X'0'	
1528	01	005AA	0000000	A		DATA	X'0'	
1529	01	005AB	0000000	A		DATA	X'0'	
1530	01	005AC	FFFFFFFF4	A	FAS17	DATA	-12	FAS
1531	01	005AD	3DC003E0			FAS,12	MEMORY	
1532	01	005AE	0030019B	N		K	0,0,3,FLPFSW	
1533	01	005AF	20300145	N		K	2,0,3,LBC+2	
1534	01	005B0	40DDDDDD	A		DATA	X'40DDDDDD'	
1535	01	005B1	4118888	A		DATA	X'4118888'	
1536	01	005B2	40AAAAA	A		DATA	X'40AAAAA'	
1537	01	005B3	40AAAAA	A		DATA	X'40AAAAA'	
1538	01	005B4	0000000	A		DATA	X'0'	
1539	01	005B5	0000000	A		DATA	X'0'	
1540	01	005B6	0000000	A		DATA	X'0'	
1541	01	005B7	0000000	A		DATA	X'0'	
1542	01	005B8	FFFFFFFF4	A	FAS18	DATA	-12	FAS
1543	01	005B9	3DC003E0			FAS,12	MEMORY	
1544	01	005BA	0030019B	N		K	0,0,3,FLPFSW	
1545	01	005BB	20300145	N		K	2,0,3,LBC+2	
1546	01	005BC	4055555	A		DATA	X'4055555'	
1547	01	005BD	4088888	A		DATA	X'4088888'	
1548	01	005BE	4033333	A		DATA	X'4033333'	
1549	01	005BF	4033333	A		DATA	X'4033333'	
1550	01	005C0	0000000	A		DATA	X'0'	
1551	01	005C1	0000000	A		DATA	X'0'	
1552	01	005C2	0000000	A		DATA	X'0'	
1553	01	005C3	0000000	A		DATA	X'0'	

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1554				PAGE			
1555	01	005C4	FFFFFFFF4 A	FAS19	DATA	-12	FAS
1556	01	005C5	3DC003E0		FAS#12	MEMBRY	
1557	01	005C6	0030019B N		K	0,0,3,FLPFSW	
1558	01	005C7	20300145 N		K	2,0,3,LBC+2	
1559	01	005C8	40666666 A		DATA	X'40666666'	
1560	01	005C9	40888888 A		DATA	X'40888888'	
1561	01	005CA	40222222 A		DATA	X'40222222'	
1562	01	005CB	40222222 A		DATA	X'40222222'	
1563	01	005CC	00000000 A		DATA	X'0'	
1564	01	005CD	00000000 A		DATA	X'0'	
1565	01	005CE	00000000 A		DATA	X'0'	
1566	01	005CF	00000000 A		DATA	X'0'	
1567	01	005D0	FFFFFFFF4 A	FAS20	DATA	-12	FAS
1568	01	005D1	3DC003E0		FAS#12	MEMBRY	
1569	01	005D2	0030019B N		K	0,0,3,FLPFSW	
1570	01	005D3	20300145 N		K	2,0,3,LBC+2	
1571	01	005D4	40444444 A		DATA	X'40444444'	
1572	01	005D5	40888888 A		DATA	X'40888888'	
1573	01	005D6	40444444 A		DATA	X'40444444'	
1574	01	005D7	40444444 A		DATA	X'40444444'	
1575	01	005D8	00000000 A		DATA	X'0'	
1576	01	005D9	00000000 A		DATA	X'0'	
1577	01	005DA	00000000 A		DATA	X'0'	
1578	01	005DB	00000000 A		DATA	X'0'	
1579	01	005DC	FFFFFFFF4 A	FAS21	DATA	-12	FAS
1580	01	005DD	3DC003E0		FAS#12	MEMBRY	
1581	01	005DE	0030019B N		K	0,0,3,FLPFSW	
1582	01	005DF	20300145 N		K	2,0,3,LBC+2	
1583	01	005E0	40888888 A		DATA	X'40888888'	
1584	01	005E1	40CCCCC A		DATA	X'40CCCCC'	
1585	01	005E2	40111111 A		DATA	X'40111111'	
1586	01	005E3	40111111 A		DATA	X'40111111'	
1587	01	005E4	00000000 A		DATA	X'0'	
1588	01	005E5	00000000 A		DATA	X'0'	
1589	01	005E6	00000000 A		DATA	X'0'	
1590	01	005E7	00000000 A		DATA	X'0'	

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1591				PAGE			
1592	01	005E8	FFFFFFFF4 A	FAS22	DATA	-12	FAS
1593	01	005E9	3DC003E0		FAS#12	MEMBRY	
1594	01	005EA	0030019B N		K	0,0,3,FLPFSW	
1595	01	005EB	20300145 N		K	2,0,3,LBC+2	
1596	01	005EC	40DDDDDD A		DATA	X'40DDDDDD'	
1597	01	005ED	40EEEEEE A		DATA	X'40EEEEEE'	
1598	01	005EE	40111111 A		DATA	X'40111111'	
1599	01	005EF	40111111 A		DATA	X'40111111'	
1600	01	005F0	00000000 A		DATA	X'0'	
1601	01	005F1	00000000 A		DATA	X'0'	
1602	01	005F2	00000000 A		DATA	X'0'	
1603	01	005F3	00000000 A		DATA	X'0'	
1604	01	005F4	FFFFFFFF4 A	FAS23	DATA	-12	FAS
1605	01	005F5	3DC003E0		FAS#12	MEMBRY	
1606	01	005F6	0030019B N		K	0,0,3,FLPFSW	
1607	01	005F7	20300145 N		K	2,0,3,LBC+2	
1608	01	005F8	40888888 A		DATA	X'40888888'	
1609	01	005F9	40EEEEEE A		DATA	X'40EEEEEE'	
1610	01	005FA	40666666 A		DATA	X'40666666'	
1611	01	005FB	40666666 A		DATA	X'40666666'	
1612	01	005FC	00000000 A		DATA	X'0'	
1613	01	005FD	00000000 A		DATA	X'0'	
1614	01	005FE	00000000 A		DATA	X'0'	
1615	01	005FF	00000000 A		DATA	X'0'	
1616	01	00600	FFFFFFFF4 A	FAS24	DATA	-12	FAS
1617	01	00601	3DC003E0		FAS#12	MEMBRY	
1618	01	00602	0030019B N		K	0,0,3,FLPFSW	
1619	01	00603	20300145 N		K	2,0,3,LBC+2	
1620	01	00604	40AAAAAA A		DATA	X'40AAAAAA'	
1621	01	00605	40CCCCC A		DATA	X'40CCCCC'	
1622	01	00606	40222222 A		DATA	X'40222222'	
1623	01	00607	40222222 A		DATA	X'40222222'	
1624	01	00608	00000000 A		DATA	X'0'	
1625	01	00609	00000000 A		DATA	X'0'	
1626	01	0060A	00000000 A		DATA	X'0'	
1627	01	0060B	00000000 A		DATA	X'0'	

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1628				PAGE		
1629	01	0060C	FFFFFFFF A	FAS25	DATA	-12 FAS
1630	01	0060D	3DC003E0		FAS#12	MEMBRY
1631	01	0060E	0030019B N		K	0,0,3,FLPFSW
1632	01	0060F	20300145 N		K	2,0,3,LBC+2
1633	01	00610	40888888 A		DATA	X'40888888'
1634	01	00611	40CCCCC A		DATA	X'40CCCCC'
1635	01	00612	4044444 A		DATA	X'4044444'
1636	01	00613	4044444 A		DATA	X'4044444'
1637	01	00614	0000000 A		DATA	X'0'
1638	01	00615	0000000 A		DATA	X'0'
1639	01	00616	0000000 A		DATA	X'0'
1640	01	00617	0000000 A		DATA	X'0'
1641	01	00618	FFFFFFFF A	FAS26	DATA	-12 FAS
1642	01	00619	3DC003E0		FAS#12	MEMBRY
1643	01	0061A	0030019B N		K	0,0,3,FLPFSW
1644	01	0061B	20300145 N		K	2,0,3,LBC+2
1645	01	0061C	40FFFFFF A		DATA	X'40FFFFFF'
1646	01	0061D	41101000 A		DATA	X'41101000'
1647	01	0061E	40020002 A		DATA	X'40020002'
1648	01	0061F	40020002 A		DATA	X'40020002'
1649	01	00620	0000000 A		DATA	X'0'
1650	01	00621	0000000 A		DATA	X'0'
1651	01	00622	0000000 A		DATA	X'0'
1652	01	00623	0000000 A		DATA	X'0'
1653	01	00624	FFFFFFFF A	FAS27	DATA	-12 FAS
1654	01	00625	3DC003E0		FAS#12	MEMBRY
1655	01	00626	0030019B N		K	0,0,3,FLPFSW
1656	01	00627	20300145 N		K	2,0,3,LBC+2
1657	01	00628	40FDFFFC A		DATA	X'40FDFFFC'
1658	01	00629	41102000 A		DATA	X'41102000'
1659	01	0062A	40040004 A		DATA	X'40040004'
1660	01	0062B	40040004 A		DATA	X'40040004'
1661	01	0062C	0000000 A		DATA	X'0'
1662	01	0062D	0000000 A		DATA	X'0'
1663	01	0062E	0000000 A		DATA	X'0'
1664	01	0062F	0000000 A		DATA	X'0'

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1665				PAGE		
1666	01	00630	FFFFFFFF A	FAS28	DATA	-12 FAS
1667	01	00631	3DC003E0		FAS#12	MEMBRY
1668	01	00632	0030019B N		K	0,0,3,FLPFSW
1669	01	00633	20300145 N		K	2,0,3,LBC+2
1670	01	00634	40FBFFF8 A		DATA	X'40FBFFF8'
1671	01	00635	41104000 A		DATA	X'41104000'
1672	01	00636	40080008 A		DATA	X'40080008'
1673	01	00637	40080008 A		DATA	X'40080008'
1674	01	00638	0000000 A		DATA	X'0'
1675	01	00639	0000000 A		DATA	X'0'
1676	01	0063A	0000000 A		DATA	X'0'
1677	01	0063B	0000000 A		DATA	X'0'
1678	01	0063C	FFFFFFFF A	FAS29	DATA	-12 FAS
1679	01	0063D	3DC003E0		FAS#12	MEMBRY
1680	01	0063E	0030019B N		K	0,0,3,FLPFSW
1681	01	0063F	20300145 N		K	2,0,3,LBC+2
1682	01	00640	40F7FFF0 A		DATA	X'40F7FFF0'
1683	01	00641	41108000 A		DATA	X'41108000'
1684	01	00642	40100010 A		DATA	X'40100010'
1685	01	00643	40100010 A		DATA	X'40100010'
1686	01	00644	0000000 A		DATA	X'0'
1687	01	00645	0000000 A		DATA	X'0'
1688	01	00646	0000000 A		DATA	X'0'
1689	01	00647	0000000 A		DATA	X'0'
1690	01	00648	FFFFFFFF A	FAS30	DATA	-12 FAS
1691	01	00649	3DC003E0		FAS#12	MEMBRY
1692	01	0064A	0030019B N		K	0,0,3,FLPFSW
1693	01	0064B	20300145 N		K	2,0,3,LBC+2
1694	01	0064C	40EFFFF0 A		DATA	X'40EFFFF0'
1695	01	0064D	41110000 A		DATA	X'41110000'
1696	01	0064E	40200020 A		DATA	X'40200020'
1697	01	0064F	40200020 A		DATA	X'40200020'
1698	01	00650	0000000 A		DATA	X'0'
1699	01	00651	0000000 A		DATA	X'0'
1700	01	00652	0000000 A		DATA	X'0'
1701	01	00653	0000000 A		DATA	X'0'

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1702					PAGE					
1703	01	00654	FFFFFFFF4	A	FAS31	DATA	-12		FAS	
1704	01	00655	30C003E0			FAS#12	MEMORY			
1705	01	00656	0030019B	N		K	0,0,3,ELPFSW			
1706	01	00657	20300145	N		K	2,0,3,LBC+2			
1707	01	00658	40FFFFC0	A		DATA	X'40FFFFC0'			
1708	01	00659	41120000	A		DATA	X'41120000'			
1709	01	0065A	40400040	A		DATA	X'40400040'			
1710	01	0065B	40400040	A		DATA	X'40400040'			
1711	01	0065C	00000000	A		DATA	X'0'			
1712	01	0065D	00000000	A		DATA	X'0'			
1713	01	0065E	00000000	A		DATA	X'0'			
1714	01	0065F	00000000	A		DATA	X'0'			
1715	01	00660	FFFFFFFF4	A	FAS32	DATA	-12		FAS	
1716	01	00661	30C003E0			FAS#12	MEMORY			
1717	01	00662	0030019B	N		K	0,0,3,ELPFSW			
1718	01	00663	20300145	N		K	2,0,3,LBC+2			
1719	01	00664	40BFFFF8	A		DATA	X'40BFFFF8'			
1720	01	00665	41140000	A		DATA	X'41140000'			
1721	01	00666	40800080	A		DATA	X'40800080'			
1722	01	00667	40800080	A		DATA	X'40800080'			
1723	01	00668	00000000	A		DATA	X'0'			
1724	01	00669	00000000	A		DATA	X'0'			
1725	01	0066A	00000000	A		DATA	X'0'			
1726	01	0066B	00000000	A		DATA	X'0'			
1727	01	0066C	FFFFFFFF4	A	FAS33	DATA	-12		FAS	
1728	01	0066D	30C003E0			FAS#12	MEMORY			
1729	01	0066E	0030019B	N		K	0,0,3,ELPFSW			
1730	01	0066F	20300145	N		K	2,0,3,LBC+2			
1731	01	00670	407FFFF0	A		DATA	X'407FFFF0'			
1732	01	00671	40800000	A		DATA	X'40800000'			
1733	01	00672	40000100	A		DATA	X'40000100'			
1734	01	00673	40000100	A		DATA	X'40000100'			
1735	01	00674	00000000	A		DATA	X'0'			
1736	01	00675	00000000	A		DATA	X'0'			
1737	01	00676	00000000	A		DATA	X'0'			
1738	01	00677	00000000	A		DATA	X'0'			

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1739						PAGE				
1740	01	00678	FFFFFFFF4	A	FAS34	DATA	-12		FAS	
1741	01	00679	30C003E0			FAS#12	MEMORY			
1742	01	0067A	0030019B	N		K	0,0,3,ELPFSW			
1743	01	0067B	20300145	N		K	2,0,3,LBC+2			
1744	01	0067C	40FFFFE0	A		DATA	X'40FFFFE0'			
1745	01	0067D	41100000	A		DATA	X'41100000'			
1746	01	0067E	40000200	A		DATA	X'40000200'			
1747	01	0067F	40000200	A		DATA	X'40000200'			
1748	01	00680	00000000	A		DATA	X'0'			
1749	01	00681	00000000	A		DATA	X'0'			
1750	01	00682	00000000	A		DATA	X'0'			
1751	01	00683	00000000	A		DATA	X'0'			
1752	01	00684	FFFFFFFF4	A	FAS35	DATA	-12		FAS	
1753	01	00685	30C003E0			FAS#12	MEMORY			
1754	01	00686	0030019B	N		K	0,0,3,ELPFSW			
1755	01	00687	20300145	N		K	2,0,3,LBC+2			
1756	01	00688	40FFFC00	A		DATA	X'40FFFC00'			
1757	01	00689	41100000	A		DATA	X'41100000'			
1758	01	0068A	40000400	A		DATA	X'40000400'			
1759	01	0068B	40000400	A		DATA	X'40000400'			
1760	01	0068C	00000000	A		DATA	X'0'			
1761	01	0068D	00000000	A		DATA	X'0'			
1762	01	0068E	00000000	A		DATA	X'0'			
1763	01	0068F	00000000	A		DATA	X'0'			
1764	01	00690	FFFFFFFF4	A	FAS36	DATA	-12		FAS	
1765	01	00691	30C003E0			FAS#12	MEMORY			
1766	01	00692	0030019B	N		K	0,0,3,ELPFSW			
1767	01	00693	20300145	N		K	2,0,3,LBC+2			
1768	01	00694	40FFFB00	A		DATA	X'40FFFB00'			
1769	01	00695	41100000	A		DATA	X'41100000'			
1770	01	00696	40000800	A		DATA	X'40000800'			
1771	01	00697	40000800	A		DATA	X'40000800'			
1772	01	00698	00000000	A		DATA	X'0'			
1773	01	00699	00000000	A		DATA	X'0'			
1774	01	0069A	00000000	A		DATA	X'0'			
1775	01	0069B	00000000	A		DATA	X'0'			

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1776				PAGE		
1777	01	0069C	FFFFFFFF4 A	FAS37	DATA	-12 FAS
1778	01	0069D	3DC003E0	FAS/12	MEMORY	
1779	01	0069E	00300198 N	K	0,0,3,FLPFSW	
1780	01	0069F	20300145 N	K	2,0,3,LBC+2	
1781	01	006A0	4000F000 A	DATA	X'4000F000'	
1782	01	006A1	3F100000 A	DATA	X'3F100000'	
1783	01	006A2	40001000 A	DATA	X'40001000'	
1784	01	006A3	40001000 A	DATA	X'40001000'	
1785	01	006A4	00000000 A	DATA	X'0'	
1786	01	006A5	00000000 A	DATA	X'0'	
1787	01	006A6	00000000 A	DATA	X'0'	
1788	01	006A7	00000000 A	DATA	X'0'	
1789	01	006A8	FFFFFFFF4 A	FAS38	DATA	-12 FAS
1790	01	006A9	3DC003E0	FAS/12	MEMORY	
1791	01	006AA	00300198 N	K	0,0,3,FLPFSW	
1792	01	006AB	20300145 N	K	2,0,3,LBC+2	
1793	01	006AC	4000E000 A	DATA	X'4000E000'	
1794	01	006AD	3F100000 A	DATA	X'3F100000'	
1795	01	006AE	40002000 A	DATA	X'40002000'	
1796	01	006AF	40002000 A	DATA	X'40002000'	
1797	01	006B0	00000000 A	DATA	X'0'	
1798	01	006B1	00000000 A	DATA	X'0'	
1799	01	006B2	00000000 A	DATA	X'0'	
1800	01	006B3	00000000 A	DATA	X'0'	
1801	01	006B4	FFFFFFFF4 A	FAS39	DATA	-12 FAS
1802	01	006B5	3DC003E0	FAS/12	MEMORY	
1803	01	006B6	00300198 N	K	0,0,3,FLPFSW	
1804	01	006B7	20300145 N	K	2,0,3,LBC+2	
1805	01	006B8	4000C000 A	DATA	X'4000C000'	
1806	01	006B9	3F100000 A	DATA	X'3F100000'	
1807	01	006BA	40004000 A	DATA	X'40004000'	
1808	01	006BB	40004000 A	DATA	X'40004000'	
1809	01	006BC	00000000 A	DATA	X'0'	
1810	01	006BD	00000000 A	DATA	X'0'	
1811	01	006BE	00000000 A	DATA	X'0'	
1812	01	006BF	00000000 A	DATA	X'0'	

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1813				PAGE		
1814	01	006C0	FFFFFFFF4 A	FAS40	DATA	-12 FAS
1815	01	006C1	3DC003E0	FAS/12	MEMORY	
1816	01	006C2	00300198 N	K	0,0,3,FLPFSW	
1817	01	006C3	20300145 N	K	2,0,3,LBC+2	
1818	01	006C4	40FF0000 A	DATA	X'40FF0000'	
1819	01	006C5	41100000 A	DATA	X'41100000'	
1820	01	006C6	40010000 A	DATA	X'40010000'	
1821	01	006C7	40010000 A	DATA	X'40010000'	
1822	01	006C8	00000000 A	DATA	X'0'	
1823	01	006C9	00000000 A	DATA	X'0'	
1824	01	006CA	00000000 A	DATA	X'0'	
1825	01	006CB	00000000 A	DATA	X'0'	
1826	01	006CC	FFFFFFFF4 A	FAS41	DATA	-12 FAS
1827	01	006CD	3DC003E0	FAS/12	MEMORY	CHECKS 0 TO F FUNCTION
1828	01	006CE	00300198 N	K	0,0,3,FLPFSW	
1829	01	006CF	20300145 N	K	2,0,3,LBC+2	
1830	01	006D0	00000000 A	DATA	X'00000000'	
1831	01	006D1	3F123456 A	DATA	X'3F123456'	BITS 00207 TO F0207 TRANSFER
1832	01	006D2	3F123456 A	DATA	X'3F123456'	B
1833	01	006D3	3F123456 A	DATA	X'3F123456'	B
1834	01	006D4	00000000 A	DATA	0,0,0,0	
	01	006D5	00000000 A			
	01	006D6	00000000 A			
	01	006D7	00000000 A			
1835	01	006D8	FFFFFFFF4 A	FAS42	DATA	-12 FAS
1836	01	006D9	3DC003E0	FAS/12	MEMORY	
1837	01	006DA	00300198 N	K	0,0,3,FLPFSW	
1838	01	006DB	10300145 N	K	1,0,3,LBC+2	BITS 00005 TO F0005 TRANSFER
1839	01	006DC	00000000 A	DATA	0	
1840	01	006DD	FCEFFFFFFF A	DATA	X'FCEFFFFFFF'	
1841	01	006DE	FCEFFFFFFF A	DATA	X'FCEFFFFFFF'	
1842	01	006DF	FCEFFFFFFF A	DATA	X'FCEFFFFFFF'	
1843	01	006E0	00000000 A	DATA	0,0,0,0	
	01	006E1	00000000 A			
	01	006E2	00000000 A			
	01	006E3	00000000 A			

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1844				PAGE		
1845	01	006E4	FFFFFF4 A	FAS43	DATA	-12
1846	01	006E5	3CC003E0		FAS,12	MEMBRY
1847	01	006E6	0030019B N		K	0,0,3,FLPFSW
1848	01	006E7	20300145 N		K	2,0,3,LBC+2
1849	01	006E8	00000000 A		DATA	0
1850	01	006E9	01888888 A		DATA	X'01888888'
1851	01	006EA	01888888 A		DATA	X'01888888'
1852	01	006EB	01888888 A		DATA	X'01888888'
1853	01	006EC	00000000 A		DATA	0,0,0,0
	01	006ED	00000000 A			
	01	006EE	00000000 A			
	01	006EF	00000000 A			

CHECKS FOR 0 TRANSFER FROM
00006 TO F0006

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1854				PAGE		
1855	01	006F0	FFFFFF4 A	FSS01	DATA	-1P
1856	01	006F1	3CC003E0		FSS,1P	MEMBRY
1857	01	006F2	0030019B N		K	0,0,3,FLPFSW
1858	01	006F3	20300145 N		K	2,0,3,LBC+2
1859	01	006F4	4000FFFF A		DATA	X'4000FFFF'
1860	01	006F5	3F100000 A		DATA	X'3F100000'
1861	01	006F6	BFFFFFFF A		DATA	X'BFFFFFFF'
1862	01	006F7	BFFFFFFF A		DATA	X'BFFFFFFF'
1863	01	006F8	00000000 A		DATA	X'0'
1864	01	006F9	00000000 A		DATA	X'0'
1865	01	006FA	00000000 A		DATA	X'0'
1866	01	006FB	00000000 A		DATA	X'0'

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1867				PAGE		
1868	01	006FC	FFFFFFF4 A	FSL01	DATA	-12
1869	01	006FD	1CC003E0		FSL#12	MEMORY
1870	01	006FE	0030019B N		K	0,0,3,FLPFSW
1871	01	006FF	20300145 N		K	2,0,3,L0C+2
1872	01	00700	40FFFFFF A		DATA	X'40FFFFFF'
1873	01	00701	40FFFFFF A		DATA	X'40FFFFFF'
1874	01	00702	40000000 A		DATA	X'40000000'
1875	01	00703	40000000 A		DATA	X'40000000'
1876	01	00704	FFFFFFF4 A		DATA	X'FFFFFFF4'
1877	01	00705	FFFFFFFE A		DATA	X'FFFFFFFE'
1878	01	00706	00000001 A		DATA	X'1'
1879	01	00707	00000001 A		DATA	X'1'
1880	01	00708	FFFFFFF4 A	FSL02	DATA	-12
1881	01	00709	1CC003E0		FSL#12	MEMORY
1882	01	0070A	0030019B N		K	0,0,3,FLPFSW
1883	01	0070B	A0300145 N		K	10,0,3,L0C+2
1884	01	0070C	40000000 A		DATA	X'40000000'
1885	01	0070D	33200000 A		DATA	X'33200000'
1886	01	0070E	BFFFFFFF A		DATA	X'BFFFFFFF'
1887	01	0070F	BFFFFFFF A		DATA	X'BFFFFFFF'
1888	01	00710	00000001 A		DATA	X'1'
1889	01	00711	00000000 A		DATA	X'0'
1890	01	00712	FFFFFFF4 A		DATA	X'FFFFFFF4'
1891	01	00713	FFFFFFF4 A		DATA	X'FFFFFFF4'

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1893 ** FML #1 THROUGH #9 ARE SHOWN FIRST BECAUSE THEY ARE

1894 ** BASIC NUMBER PATTERNS THAT SHOULD BE EASILY TRACED

1895 ** VIA THE FLBATING POINT T-CHARTS

1896	01	00714	FFFFFFF4 A	FML#1	DATA	-12
1897	01	00715	1FC003E0		FML#12	MEMORY
1898	01	00716	0000012C N		DATA	SETPSW
1899	01	00717	20000145 N		GEN#4,28	2,L0C+2
1900	01	00718	40100000 A		DATA	X'40100000',X'40100000'
	01	00719	40100000 A			
1901	01	0071A	41100000 A		DATA	X'41100000',X'41100000'
	01	0071B	41100000 A			
1902	01	0071C	00000001 A		DATA	1,1,0,0
	01	0071D	00000001 A			
	01	0071E	00000000 A			
	01	0071F	00000000 A			
1903	01	00720	FFFFFFF4 A	FML#2	DATA	-12
1904	01	00721	1FC003E0		FML#12	MEMORY
1905	01	00722	0000012C N		DATA	SETPSW
1906	01	00723	20000145 N		GEN#4,28	2,L0C+2
1907	01	00724	40100000 A		DATA	X'40100000',X'40100000'
	01	00725	40100000 A			
1908	01	00726	41100000 A		DATA	X'41100000',X'41100000'
	01	00727	41100000 A			
1909	01	00728	00000002 A		DATA	2,2,0,0
	01	00729	00000002 A			
	01	0072A	00000000 A			
	01	0072B	00000000 A			

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1910					PAGE	
1911	01	0072C	FFFFFFF4 A	FML43	DATA	-12
1912	01	0072D	1FC003E0		FML12	MEMORY
1913	01	0072E	0000012C N		DATA	SETPSW
1914	01	0072F	20000145 N		GEN4,28	2,L8C+2
1915	01	00730	40I00000 A		DATA	X'40100000',X'40100000'
	01	00731	40I00000 A			
1916	01	00732	41I00000 A		DATA	X'41100000',X'41100000'
	01	00733	41I00000 A			
1917	01	00734	00000003 A		DATA	3,3,0,0
	01	00735	00000003 A			
	01	00736	00000000 A			
	01	00737	00000000 A			
1918	01	00738	FFFFFFF4 A	FML44	DATA	-12
1919	01	00739	1FC003E0		FML12	MEMORY
1920	01	0073A	0000012C N		DATA	SETPSW
1921	01	0073B	20000145 N		GEN4,28	2,L8C+2
1922	01	0073C	40I00000 A		DATA	X'40100000',X'40100000'
	01	0073D	40I00000 A			
1923	01	0073E	41I00000 A		DATA	X'41100000',X'41100000'
	01	0073F	41I00000 A			
1924	01	00740	00000006 A		DATA	6,6,0,0
	01	00741	00000006 A			
	01	00742	00000000 A			
	01	00743	00000000 A			

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1925					PAGE	
1926	01	00744	FFFFFFF4 A	FML45	DATA	-12
1927	01	00745	1FC003E0		FML12	MEMORY
1928	01	00746	0000012C N		DATA	SETPSW
1929	01	00747	20000145 N		GEN4,28	2,L8C+2
1930	01	00748	40I00000 A		DATA	X'40100000',X'40F00000'
	01	00749	40F00000 A			
1931	01	0074A	41EFFFFFF A		DATA	X'41EFFFFFF',X'41EFFFFFF'
	01	0074B	41EFFFFFF A			
1932	01	0074C	00000001 A		DATA	1,13,-1,-1
	01	0074D	0000000D A			
	01	0074E	FFFFFFF4 A			
	01	0074F	FFFFFFF4 A			
1933	01	00750	FFFFFFF4 A	FML46	DATA	-12
1934	01	00751	1FC003E0		FML12	MEMORY
1935	01	00752	0000012C N		DATA	SETPSW
1936	01	00753	20000145 N		GEN4,28	2,L8C+2
1937	01	00754	40I00000 A		DATA	X'40100000',X'40F00000'
	01	00755	40F00000 A			
1938	01	00756	41EFFFFFF A		DATA	X'41EFFFFFF',X'41EFFFFFF'
	01	00757	41EFFFFFF A			
1939	01	00758	00000002 A		DATA	2,28,-1,-1
	01	00759	0000001C A			
	01	0075A	FFFFFFF4 A			
	01	0075B	FFFFFFF4 A			

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1940					PAGE		
1941	01	0075C	FFFFFFFF A	FML47	DATA	-12	
1942	01	0075D	1FC003E0		FML#12	MEMORY	
1943	01	0075E	0000012C N		DATA	SETPSW	
1944	01	0075F	20000145 N		GEN#4,28	2,L8C+2	
1945	01	00760	40100000 A		DATA	X'40100000',X'40F00000'	
	01	00761	40F00000 A				
1946	01	00762	41EFFFFFF A		DATA	X'41EFFFFFF',X'41EFFFFFF'	
	01	00763	41EFFFFFF A				
1947	01	00764	00000003 A		DATA	3,43,-1,-1	
	01	00765	0000002B A				
	01	00766	FFFFFFFF A				
	01	00767	FFFFFFFF A				
1948	01	00768	FFFFFFFF A	FML48	DATA	-12	
1949	01	00769	1FC003E0		FML#12	MEMORY	
1950	01	0076A	0000012C N		DATA	SETPSW	
1951	01	0076B	20000145 N		GEN#4,28	2,L8C+2	
1952	01	0076C	40100000 A		DATA	X'40100000',X'40F00000'	
	01	0076D	40F00000 A				
1953	01	0076E	41EFFFFFF A		DATA	X'41EFFFFFF',X'41EFFFFFF'	
	01	0076F	41EFFFFFF A				
1954	01	00770	00000006 A		DATA	6,88,-1,-1	
	01	00771	00000058 A				
	01	00772	FFFFFFFF A				
	01	00773	FFFFFFFF A				
1955	01	00774	FFFFFFFF A	FML49	DATA	-12	
1956	01	00775	1FC003E0		FML#12	MEMORY	
1957	01	00776	0000012C N		DATA	SETPSW	
1958	01	00777	20000145 N		GEN#4,28	2,L8C+2	
1959	01	00778	8FF00000 A		DATA	X'8FF00000',X'3F100000'	
	01	00779	3F100000 A				
1960	01	0077A	8FF00000 A		DATA	X'8FF00000',X'8FF00000'	
	01	0077B	8FF00000 A				
1961	01	0077C	00000000 A		DATA	X'00000000',X'00000000'	
	01	0077D	00000000 A				
1962	01	0077E	00000000 A		DATA	X'00000000',X'00000000'	
	01	0077F	00000000 A				

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1963					PAGE		
1964	01	00780	FFFFFFFF A	FML01	DATA	-12	FML
1965	01	00781	1FC003E0		FML#12	MEMORY	
1966	01	00782	0530019B N		K	0,5,3,FLPFSW	
1967	01	00783	25300145 N		K	2,5,3,L8C+2	
1968	01	00784	30555555 A		DATA	X'30555555'	
1969	01	00785	201C71C7 A		DATA	X'201C71C7'	
1970	01	00786	30555555 A		DATA	X'30555555'	
1971	01	00787	30555555 A		DATA	X'30555555'	
1972	01	00788	55555555 A		DATA	X'55555555'	
1973	01	00789	1C71C71C A		DATA	X'1C71C71C'	
1974	01	0078A	55555555 A		DATA	X'55555555'	
1975	01	0078B	55555555 A		DATA	X'55555555'	
1976	01	0078C	FFFFFFFF A	FML02	DATA	-12	FML
1977	01	0078D	1FC003E0		FML#12	MEMORY	
1978	01	0078E	0530019B N		K	0,5,3,FLPFSW	
1979	01	0078F	25300145 N		K	2,5,3,L8C+2	
1980	01	00790	40AAAAAAAA A		DATA	X'40AAAAAAAA'	
1981	01	00791	4071C71C A		DATA	X'4071C71C'	
1982	01	00792	40AAAAAAAA A		DATA	X'40AAAAAAAA'	
1983	01	00793	40AAAAAAAA A		DATA	X'40AAAAAAAA'	
1984	01	00794	AAAAAAAAAA A		DATA	X'AAAAAAAAAA'	
1985	01	00795	71C71C70 A		DATA	X'71C71C70'	
1986	01	00796	AAAAAAAAAA A		DATA	X'AAAAAAAAAA'	
1987	01	00797	AAAAAAAAAA A		DATA	X'AAAAAAAAAA'	
1988	01	00798	FFFFFFFF A	FML03	DATA	-12	FML
1989	01	00799	1FC003E0		FML#12	MEMORY	
1990	01	0079A	0530019B N		K	0,5,3,FLPFSW	
1991	01	0079B	15300145 N		K	1,5,3,L8C+2	
1992	01	0079C	80FFFDAB A		DATA	X'80FFFDAB'	
1993	01	0079D	C4D2A542 A		DATA	X'C4D2A542'	
1994	01	0079E	0013732A A		DATA	X'0013732A'	
1995	01	0079F	0013732A A		DATA	X'0013732A'	
1996	01	007A0	FFFFFFFF A		DATA	X'FFFFFFFF'	
1997	01	007A1	2AE8FC1 A		DATA	X'2AE8FC1'	
1998	01	007A2	059CEF26 A		DATA	X'059CEF26'	
1999	01	007A3	059CEF26 A		DATA	X'059CEF26'	

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					PAGE					
2000										
2001	01	007A4	FFFFFFFF A	FMLO4	DATA	-12		FML		
2002	01	007A5	1FC003E0		FMLO12	MEMORY				
2003	01	007A6	05300198 N		K	0,5,3,FLPFSW				
2004	01	007A7	15300145 N		K	1,5,3,L8C+2				
2005	01	007A8	7FFFFFFD8 A		DATA	X'7FFFFFFD8'				
2006	01	007A9	C0CF37C5 A		DATA	X'C0CF37C5'				
2007	01	007AA	FFCF37BE A		DATA	X'FFCF37BE'				
2008	01	007AB	FFCF37BE A		DATA	X'FFCF37BE'				
2009	01	007AC	00000000 A		DATA	X'00000000'				
2010	01	007AD	C5F88F7E A		DATA	X'C5F88F7E'				
2011	01	007AE	26AE4589 A		DATA	X'26AE4589'				
2012	01	007AF	26AE4589 A		DATA	X'26AE4589'				
2013	01	007B0	FFFFFFFF A	FMLO5	DATA	-12		FML		
2014	01	007B1	1FC003E0		FMLO12	MEMORY				
2015	01	007B2	05300198 N		K	0,5,3,FLPFSW				
2016	01	007B3	25300145 N		K	2,5,3,L8C+2				
2017	01	007B4	250007BE A		DATA	X'250007BE'				
2018	01	007B5	08128785 A		DATA	X'08128785'				
2019	01	007B6	26264A8E A		DATA	X'26264A8E'				
2020	01	007B7	26264A8E A		DATA	X'26264A8E'				
2021	01	007B8	148F26A0 A		DATA	X'148F26A0'				
2022	01	007B9	07E34362 A		DATA	X'07E34362'				
2023	01	007BA	C1F4286C A		DATA	X'C1F4286C'				
2024	01	007BB	C1F4286C A		DATA	X'C1F4286C'				
2025	01	007BC	FFFFFFFF A	FMLO6	DATA	-12		FML		
2026	01	007BD	1FC003E0		FMLO12	MEMORY				
2027	01	007BE	05300198 N		K	0,5,3,FLPFSW				
2028	01	007BF	05300145 N		K	0,5,3,L8C+2				
2029	01	007C0	7F000000 A		DATA	X'7F000000'				
2030	01	007C1	00000000 A		DATA	X'0'				
2031	01	007C2	7FFFFFFF A		DATA	X'7FFFFFFF'				
2032	01	007C3	7FFFFFFF A		DATA	X'7FFFFFFF'				
2033	01	007C4	00000000 A		DATA	X'00000000'				
2034	01	007C5	00000000 A		DATA	X'0'				
2035	01	007C6	FFFFFFFF A		DATA	X'FFFFFFFF'				
2036	01	007C7	FFFFFFFF A		DATA	X'FFFFFFFF'				

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2037										
2038	01	007C8	FFFFFFFF A	FMLO7	DATA	-12		FML		
2039	01	007C9	1FC003E0		FMLO12	MEMORY				
2040	01	007CA	05300198 N		K	0,5,3,FLPFSW				
2041	01	007CB	15300145 N		K	1,5,3,L8C+2				
2042	01	007CC	35027BF3 A		DATA	X'35027BF3'				
2043	01	007CD	CC782A03 A		DATA	X'CC782A03'				
2044	01	007CE	BFC951DA A		DATA	X'BFC951DA'				
2045	01	007CF	BFC951DA A		DATA	X'BFC951DA'				
2046	01	007D0	8C16DE45 A		DATA	X'8C16DE45'				
2047	01	007D1	798B132F A		DATA	X'798B132F'				
2048	01	007D2	62E3840A A		DATA	X'62E3840A'				
2049	01	007D3	62E3840A A		DATA	X'62E3840A'				
2050	01	007D4	FFFFFFFF A	FMLO8	DATA	-12		FML		
2051	01	007D5	1FC003E0		FMLO12	MEMORY				
2052	01	007D6	05300198 N		K	0,5,3,FLPFSW				
2053	01	007D7	25300145 N		K	2,5,3,L8C+2				
2054	01	007D8	BFFFFFFF A		DATA	X'BFFFFFFF'				
2055	01	007D9	25100000 A		DATA	X'25100000'				
2056	01	007DA	BFFFFFFF A		DATA	X'BFFFFFFF'				
2057	01	007DB	BFFFFFFF A		DATA	X'BFFFFFFF'				
2058	01	007DC	FFFFFFFF A		DATA	X'FFFFFFFF'				
2059	01	007DD	00000000 A		DATA	X'0'				
2060	01	007DE	FFFFFFFF A		DATA	X'FFFFFFFF'				
2061	01	007DF	FFFFFFFF A		DATA	X'FFFFFFFF'				
2062	01	007E0	FFFFFFFF A	FMLO9	DATA	-12		FML		
2063	01	007E1	1FC003E0		FMLO12	MEMORY				
2064	01	007E2	05300198 N		K	0,5,3,FLPFSW				
2066	01	007E3	25300145 N		K	2,5,3,L8C+2				
2066	01	007E4	40000000 A		DATA	X'40000000'				
2067	01	007E5	25100000 A		DATA	X'25100000'				
2068	01	007E6	40000000 A		DATA	X'40000000'				
2069	01	007E7	40000000 A		DATA	X'40000000'				
2070	01	007E8	00000001 A		DATA	X'00000001'				
2071	01	007E9	00000000 A		DATA	X'0'				
2072	01	007EA	00000001 A		DATA	X'00000001'				
2073	01	007EB	00000001 A		DATA	X'1'				

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2075	01	007EC	FFFFFFFF4 A	DATA	-12	FML
2076	01	007ED	1FC003E0	FML#12	MEMORY	
2077	01	007EE	0530019B N	K	0,5,3,FLPFSW	
2078	01	007EF	15300145 N	K	1,5,3,L8C+2	
2079	01	007F0	FC7CF1CC A	DATA	X'FC7CF1CC'	
2080	01	007F1	C5D399C0 A	DATA	X'C5D399C0'	
2081	01	007F2	7756BA80 A	DATA	X'7756BA80'	
2082	01	007F3	7756BA80 A	DATA	X'7756BA80'	
2083	01	007F4	80AA9FD4 A	DATA	X'80AA9FD4'	
2084	01	007F5	ACBFB2BA A	DATA	X'ACBFB2BA'	
2085	01	007F6	59C61C18 A	DATA	X'59C61C18'	
2086	01	007F7	59C61C18 A	DATA	X'59C61C18'	
2087	01	007F8	FFFFFFFF4 A	DATA	-12	FML
2088	01	007F9	1FC003E0	FML#12	MEMORY	
2089	01	007FA	0530019B N	K	0,5,3,FLPFSW	
2090	01	007FB	15300145 N	K	1,5,3,L8C+2	
2091	01	007FC	F1C3C731 A	DATA	X'F1C3C731'	
2092	01	007FD	F4887E77 A	DATA	X'F4887E77'	
2093	01	007FE	3F01FC03 A	DATA	X'3F01FC03'	
2094	01	007FF	3F01FC03 A	DATA	X'3F01FC03'	
2095	01	00800	7F56BA80 A	DATA	X'7F56BA80'	
2096	01	00801	356A3FD1 A	DATA	X'356A3FD1'	
2097	01	00802	70000000 A	DATA	X'70000000'	
2098	01	00803	70000000 A	DATA	X'70000000'	
2099	01	00804	FFFFFFFF4 A	DATA	-12	FML
2100	01	00805	1FC003E0	FML#12	MEMORY	
2101	01	00806	0530019B N	K	0,5,3,FLPFSW	
2102	01	00807	15300145 N	K	1,5,3,L8C+2	
2103	01	00808	CD853C70 A	DATA	X'CD853C70'	
2104	01	00809	DCC6D465 A	DATA	X'DCC6D465'	
2105	01	0080A	31C3C1F0 A	DATA	X'31C3C1F0'	
2106	01	0080B	31C3C1F0 A	DATA	X'31C3C1F0'	
2107	01	0080C	3DF91CF8 A	DATA	X'3DF91CF8'	
2108	01	0080D	B74535C0 A	DATA	X'B74535C0'	
2109	01	0080E	DF4F3C70 A	DATA	X'DF4F3C70'	
2110	01	0080F	DF4F3C70 A	DATA	X'DF4F3C70'	

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2112	01	00810	FFFFFFFF4 A	DATA	-12	FML
2113	01	00811	1FC003E0	FML#12	MEMORY	
2114	01	00812	0530019B N	K	0,5,3,FLPFSW	
2115	01	00813	25300145 N	K	2,5,3,L8C+2	
2116	01	00814	6086D36D A	DATA	X'6086D36D'	
2117	01	00815	3E8D81C7 A	DATA	X'3E8D81C7'	
2118	01	00816	11C61C18 A	DATA	X'11C61C18'	
2119	01	00817	11C61C18 A	DATA	X'11C61C18'	
2120	01	00818	59D80E1D A	DATA	X'59D80E1D'	
2121	01	00819	8B1093F1 A	DATA	X'8B1093F1'	
2122	01	0081A	021871E7 A	DATA	X'021871E7'	
2123	01	0081B	021871E7 A	DATA	X'021871E7'	
2124	01	0081C	FFFFFFFF4 A	DATA	-12	FML
2125	01	0081D	1FC003E0	FML#12	MEMORY	
2126	01	0081E	0530019B N	K	0,5,3,FLPFSW	
2127	01	0081F	25300145 N	K	2,5,3,L8C+2	
2128	01	00820	C75B3C70 A	DATA	X'C75B3C70'	
2129	01	00821	10261D9E A	DATA	X'10261D9E'	
2130	01	00822	E1C4C737 A	DATA	X'E1C4C737'	
2131	01	00823	E1C4C737 A	DATA	X'E1C4C737'	
2132	01	00824	7CF5C8E1 A	DATA	X'7CF5C8E1'	
2133	01	00825	0D7BE104 A	DATA	X'0D7BE104'	
2134	01	00826	42468ACE A	DATA	X'42468ACE'	
2135	01	00827	42468ACE A	DATA	X'42468ACE'	
2136	01	00828	FFFFFFFF4 A	DATA	-12	FML
2137	01	00829	1FC003E0	FML#12	MEMORY	
2138	01	0082A	0530019B N	K	0,5,3,FLPFSW	
2139	01	0082B	25300145 N	K	2,5,3,L8C+2	
2140	01	0082C	50012345 A	DATA	X'50012345'	
2141	01	0082D	1389389C A	DATA	X'1389389C'	
2142	01	0082E	060789AB A	DATA	X'060789AB'	
2143	01	0082F	060789AB A	DATA	X'060789AB'	
2144	01	00830	8C178F32 A	DATA	X'8C178F32'	
2145	01	00831	6CA380D7 A	DATA	X'6CA380D7'	
2146	01	00832	258BCDEF A	DATA	X'258BCDEF'	
2147	01	00833	258BCDEF A	DATA	X'258BCDEF'	

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2148							
2149	01	00834	FFFFFFFF A	FML16	DATA	-12	FML
2150	01	00835	1FC003E0		FML*12	MEMORY	
2151	01	00836	0530019B N		K	0,5,3,FLPFSW	
2152	01	00837	15300145 N		K	1,5,3,L8C+2	
2153	01	00838	89ABCDEF A		DATA	X'89ABCDEF'	
2154	01	00839	C9E37DE2 A		DATA	X'C9E37DE2'	
2155	01	0083A	0056AE37 A		DATA	X'0056AE37'	
2156	01	0083B	0056AE37 A		DATA	X'0056AE37'	
2157	01	0083C	634AC271 A		DATA	X'634AC271'	
2158	01	0083D	DE7154D5 A		DATA	X'DE7154D5'	
2159	01	0083E	BF258BE1 A		DATA	X'BF258BE1'	
2160	01	0083F	BF258BE1 A		DATA	X'BF258BE1'	
2161	01	00840	FFFFFFFF A	FML17	DATA	-12	FML
2162	01	00841	1FC003E0		FML*12	MEMORY	
2163	01	00842	0530019B N		K	0,5,3,FLPFSW	
2164	01	00843	25300145 N		K	2,5,3,L8C+2	
2165	01	00844	BF1357BD A		DATA	X'BF1357BD'	
2166	01	00845	02E98078 A		DATA	X'02E98078'	
2167	01	00846	F00369CF A		DATA	X'F00369CF'	
2168	01	00847	F00369CF A		DATA	X'F00369CF'	
2169	01	00848	E486C662 A		DATA	X'E486C662'	
2170	01	00849	16EF6C2A A		DATA	X'16EF6C2A'	
2171	01	0084A	F147AD03 A		DATA	X'F147AD03'	
2172	01	0084B	F147AD03 A		DATA	X'F147AD03'	
2173	01	0084C	FFFFFFFF A	FML18	DATA	-12	FML
2174	01	0084D	1FC003E0		FML*12	MEMORY	
2175	01	0084E	0530019B N		K	0,5,3,FLPFSW	
2176	01	0084F	15300145 N		K	1,5,3,L8C+2	
2177	01	00850	E2006AE3 A		DATA	X'E2006AE3'	
2178	01	00851	C37446F3 A		DATA	X'C37446F3'	
2179	01	00852	61008BF3 A		DATA	X'61008BF3'	
2180	01	00853	61008BF3 A		DATA	X'61008BF3'	
2181	01	00854	5A5ACF3B A		DATA	X'5A5ACF3B'	
2182	01	00855	F3887D87 A		DATA	X'F3887D87'	
2183	01	00856	7327C16B A		DATA	X'7327C16B'	
2184	01	00857	7327C16B A		DATA	X'7327C16B'	

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2185							
2186	01	00858	FFFFFFFF A	FML19	DATA	-12	FML
2187	01	00859	1FC003E0		FML*12	MEMORY	
2188	01	0085A	0530019B N		K	0,5,3,FLPFSW	
2189	01	0085B	25300145 N		K	2,5,3,L8C+2	
2190	01	0085C	AF00049E A		DATA	X'AF00049E'	
2191	01	0085D	25FFF6C1 A		DATA	X'25FFF6C1'	
2192	01	0085E	E200049F A		DATA	X'E200049F'	
2193	01	0085F	E200049F A		DATA	X'E200049F'	
2194	01	00860	F0259E49 A		DATA	X'F0259E49'	
2195	01	00861	351390DA A		DATA	X'351390DA'	
2196	01	00862	F0259E49 A		DATA	X'F0259E49'	
2197	01	00863	F0259E49 A		DATA	X'F0259E49'	
2198	01	00864	FFFFFFFF A	FML20	DATA	-12	FML
2199	01	00865	1FC003E0		FML*12	MEMORY	
2200	01	00866	0530019B N		K	0,5,3,FLPFSW	
2201	01	00867	15300145 N		K	1,5,3,L8C+2	
2202	01	00868	670000B2 A		DATA	X'670000B2'	
2203	01	00869	C84D293B A		DATA	X'C84D293B'	
2204	01	0086A	E80000AB A		DATA	X'E80000AB'	
2205	01	0086B	E80000AB A		DATA	X'E80000AB'	
2206	01	0086C	D73C2826 A		DATA	X'D73C2826'	
2207	01	0086D	E80D2F6D A		DATA	X'E80D2F6D'	
2208	01	0086E	E159F059 A		DATA	X'E159F059'	
2209	01	0086F	E159F059 A		DATA	X'E159F059'	
2210	01	00870	FFFFFFFF A	FML21	DATA	-12	FML
2211	01	00871	1FC003E0		FML*12	MEMORY	
2212	01	00872	0530019B N		K	0,5,3,FLPFSW	
2213	01	00873	25300145 N		K	2,5,3,L8C+2	
2214	01	00874	10000006 A		DATA	X'10000006'	
2215	01	00875	1D1A6590 A		DATA	X'1D1A6590'	
2216	01	00876	57000003 A		DATA	X'57000003'	
2217	01	00877	57000003 A		DATA	X'57000003'	
2218	01	00878	F1A3C842 A		DATA	X'F1A3C842'	
2219	01	00879	C8B4C10E A		DATA	X'C8B4C10E'	
2220	01	0087A	C02A3C71 A		DATA	X'C02A3C71'	
2221	01	0087B	C02A3C71 A		DATA	X'C02A3C71'	

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2223	01	0087C	FFFFFFFF4 A	FML22	DATA	-12
2224	01	0087D	1FC003E0		FML#12	MEMORY
2225	01	0087E	0530019B N		K	0,5,3,FLPFSW
2226	01	0087F	25300145 N		K	2,5,3,LBC+2
2227	01	00880	42000000 A		DATA	X'42000000'
2228	01	00881	3A10AF2B A		DATA	X'3A10AF2B'
2229	01	00882	3E3AF92C A		DATA	X'3E3AF92C'
2230	01	00883	3E3AF92C A		DATA	X'3E3AF92C'
2231	01	00884	486CEA47 A		DATA	X'486CEA47'
2232	01	00885	9841B130 A		DATA	X'9841B130'
2233	01	00886	76B15038 A		DATA	X'76B15038'
2234	01	00887	76B15038 A		DATA	X'76B15038'
2235	01	00888	FFFFFFFF4 A	FML23	DATA	-12
2236	01	00889	1FC003E0		FML#12	MEMORY
2237	01	0088A	0530019B N		K	0,5,3,FLPFSW
2238	01	0088B	15300145 N		K	1,5,3,LBC+2
2239	01	0088C	02000000 A		DATA	X'02000000'
2240	01	0088D	E2A247F9 A		DATA	X'E2A247F9'
2241	01	0088E	37000000 A		DATA	X'37000000'
2242	01	0088F	37000000 A		DATA	X'37000000'
2243	01	00890	07C16D1F A		DATA	X'07C16D1F'
2244	01	00891	92D6D7DD A		DATA	X'92D6D7DD'
2245	01	00892	05D38067 A		DATA	X'05D38067'
2246	01	00893	05D38067 A		DATA	X'05D38067'
2247	01	00894	FFFFFFFF4 A	FML24	DATA	-12
2248	01	00895	1FC003E0		FML#12	MEMORY
2249	01	00896	0530019B N		K	0,5,3,FLPFSW
2250	01	00897	25300145 N		K	2,5,3,LBC+2
2251	01	00898	C8000000 A		DATA	X'C8000000'
2252	01	00899	53FFFFFF A		DATA	X'53FFFFFF'
2253	01	0089A	A0000000 A		DATA	X'A0000000'
2254	01	0089B	A0000000 A		DATA	X'A0000000'
2255	01	0089C	0091918B A		DATA	X'0091918B'
2256	01	0089D	FE89075C A		DATA	X'FE89075C'
2257	01	0089E	00E566E9 A		DATA	X'00E566E9'
2258	01	0089F	00E566E9 A		DATA	X'00E566E9'

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2260	01	008A0	FFFFFFFF4 A	FML25	DATA	-12
2261	01	008A1	1FC003E0		FML#12	MEMORY
2262	01	008A2	0530019B N		K	0,5,3,FLPFSW
2263	01	008A3	15300145 N		K	1,5,3,LBC+2
2264	01	008A4	1F000000 A		DATA	X'1F000000'
2265	01	008A5	CC01B200 A		DATA	X'CC01B200'
2266	01	008A6	A2000000 A		DATA	X'A2000000'
2267	01	008A7	A2000000 A		DATA	X'A2000000'
2268	01	008A8	0002E4E0 A		DATA	X'0002E4E0'
2269	01	008A9	000253B4 A		DATA	X'000253B4'
2270	01	008AA	000D099D A		DATA	X'000D099D'
2271	01	008AB	000D099D A		DATA	X'000D099D'
2272	01	008AC	FFFFFFFF4 A	FML26	DATA	-12
2273	01	008AD	1FC003E0		FML#12	MEMORY
2274	01	008AE	0530019B N		K	0,5,3,FLPFSW
2275	01	008AF	15300145 N		K	1,5,3,LBC+2
2276	01	008B0	89000000 A		DATA	X'89000000'
2277	01	008B1	BF073000 A		DATA	X'BF073000'
2278	01	008B2	14000000 A		DATA	X'14000000'
2279	01	008B3	14000000 A		DATA	X'14000000'
2280	01	008B4	0000438D A		DATA	X'0000438D'
2281	01	008B5	00000EFE A		DATA	X'00000EFE'
2282	01	008B6	000038D0 A		DATA	X'000038D0'
2283	01	008B7	000038D0 A		DATA	X'000038D0'
2284	01	008B8	FFFFFFFF4 A	FML27	DATA	-12
2285	01	008B9	1FC003E0		FML#12	MEMORY
2286	01	008BA	0530019B N		K	0,5,3,FLPFSW
2287	01	008BB	25300145 N		K	2,5,3,LBC+2
2288	01	008BC	60000000 A		DATA	X'60000000'
2289	01	008BD	2D435D2C A		DATA	X'2D435D2C'
2290	01	008BE	16000000 A		DATA	X'16000000'
2291	01	008BF	16000000 A		DATA	X'16000000'
2292	01	008C0	000009F2 A		DATA	X'000009F2'
2293	01	008C1	00000000 A		DATA	X'0'
2294	01	008C2	000006C6 A		DATA	X'000006C6'
2295	01	008C3	000006C6 A		DATA	X'000006C6'

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2297	01	008C4	FFFFFFFF4 A	FML28	DATA	-12	FML
2298	01	008C5	1FC003E0		FML,12	MEMORY	
2299	01	008C6	0530019B N		K	0,5,3,FLPFSW	
2300	01	008C7	25300145 N		K	2,5,3,L8C+2	
2301	01	008C8	C6000000 A		DATA	X'C6000000'	
2302	01	008C9	11FFFFFF A		DATA	X'11FFFFFF'	
2303	01	008CA	E7000000 A		DATA	X'E7000000'	
2304	01	008CB	E7000000 A		DATA	X'E7000000'	
2305	01	008CC	00000084 A		DATA	X'00000084'	
2306	01	008CD	FFFFFF37 A		DATA	X'FFFFFF37'	
2307	01	008CE	00000045 A		DATA	X'00000045'	
2308	01	008CF	00000045 A		DATA	X'00000045'	
2309	01	008D0	FFFFFFFF4 A	FML29	DATA	-12	FML
2310	01	008D1	1FC003E0		FML,12	MEMORY	
2311	01	008D2	0530019B N		K	0,5,3,FLPFSW	
2312	01	008D3	25300145 N		K	2,5,3,L8C+2	
2313	01	008D4	CC1FC7CF A		DATA	X'CC1FC7CF'	
2314	01	008D5	2E2EFCB9 A		DATA	X'2E2EFCB9'	
2315	01	008D6	C3FCA5A5 A		DATA	X'C3FCA5A5'	
2316	01	008D7	C3FCA5A5 A		DATA	X'C3FCA5A5'	
2317	01	008D8	85631AF2 A		DATA	X'85631AF2'	
2318	01	008D9	5B724390 A		DATA	X'5B724390'	
2319	01	008DA	7FFFFFFF A		DATA	X'7FFFFFFF'	
2320	01	008DB	7FFFFFFF A		DATA	X'7FFFFFFF'	
2321	01	008DC	FFFFFFFF4 A	FML30	DATA	-12	FML
2322	01	008DD	1FC003E0		FML,12	MEMORY	
2323	01	008DE	0530019B N		K	0,5,3,FLPFSW	
2324	01	008DF	25300145 N		K	2,5,3,L8C+2	
2325	01	008E0	DAC269A5 A		DATA	X'DAC269A5'	
2326	01	008E1	1D120522 A		DATA	X'1D120522'	
2327	01	008E2	C7B51894 A		DATA	X'C7B51894'	
2328	01	008E3	C7B51894 A		DATA	X'C7B51894'	
2329	01	008E4	E9D73A96 A		DATA	X'E9D73A96'	
2330	01	008E5	973A7B74 A		DATA	X'973A7B74'	
2331	01	008E6	63A40763 A		DATA	X'63A40763'	
2332	01	008E7	63A40763 A		DATA	X'63A40763'	

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2333				PAGE			
2334	01	008E8	FFFFFFFF4 A	FML31	DATA	-12	FML
2335	01	008E9	1FC003E0		FML,12	MEMORY	
2336	01	008EA	0530019B N		K	0,5,3,FLPFSW	
2337	01	008EB	25300145 N		K	2,5,3,L8C+2	
2338	01	008EC	160A59C9 A		DATA	X'160A59C9'	
2339	01	008ED	19A08D59 A		DATA	X'19A08D59'	
2340	01	008EE	44F82DDE A		DATA	X'44F82DDE'	
2341	01	008EF	44F82DDE A		DATA	X'44F82DDE'	
2342	01	008F0	136AF5B2 A		DATA	X'136AF5B2'	
2343	01	008F1	40E7DACC A		DATA	X'40E7DACC'	
2344	01	008F2	AE1A4FEO A		DATA	X'AE1A4FEO'	
2345	01	008F3	AE1A4FEO A		DATA	X'AE1A4FEO'	
2346	01	008F4	FFFFFFFF4 A	FML32	DATA	-12	FML
2347	01	008F5	1FC003E0		FML,12	MEMORY	
2348	01	008F6	0530019B N		K	0,5,3,FLPFSW	
2349	01	008F7	25300145 N		K	2,5,3,L8C+2	
2350	01	008F8	26C9AA05 A		DATA	X'26C9AA05'	
2351	01	008F9	1C916A57 A		DATA	X'1C916A57'	
2352	01	008FA	36B897C4 A		DATA	X'36B897C4'	
2353	01	008FB	36B897C4 A		DATA	X'36B897C4'	
2354	01	008FC	37DA99E6 A		DATA	X'37DA99E6'	
2355	01	008FD	6E5ED9FE A		DATA	X'6E5ED9FE'	
2356	01	008FE	04A766B3 A		DATA	X'04A766B3'	
2357	01	008FF	04A766B3 A		DATA	X'04A766B3'	
2358	01	00900	FFFFFFFF4 A	FML33	DATA	-12	FML
2359	01	00901	1FC003E0		FML,12	MEMORY	
2360	01	00902	0530019B N		K	0,5,3,FLPFSW	
2361	01	00903	25300145 N		K	2,5,3,L8C+2	
2362	01	00904	5A0DC619 A		DATA	X'5A0DC619'	
2363	01	00905	3995A829 A		DATA	X'3995A829'	
2364	01	00906	20ADD84E A		DATA	X'20ADD84E'	
2365	01	00907	20ADD84E A		DATA	X'20ADD84E'	
2366	01	00908	8508753F A		DATA	X'8508753F'	
2367	01	00909	AC737E0D A		DATA	X'AC737E0D'	
2368	01	0090A	4A1FEA60 A		DATA	X'4A1FEA60'	
2369	01	0090B	4A1FEA60 A		DATA	X'4A1FEA60'	

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2370				PAGE		
2371	01	0090C	FFFFFFF4 A	DATA	-12	FML
2372	01	0090D	1FC003E0	FML#12	MEMORY	
2373	01	0090E	0530019B N	K	0,5,3,FLPFSW	
2374	01	0090F	25300145 N	K	2,5,3,LBC+2	
2375	01	00910	43043218 A	DATA	X'43043218'	
2376	01	00911	2D191504 A	DATA	X'2D191504'	
2377	01	00912	2B5FA631 A	DATA	X'2B5FA631'	
2378	01	00913	2B5FA631 A	DATA	X'2B5FA631'	
2379	01	00914	4C798351 A	DATA	X'4C798351'	
2380	01	00915	F425B00C A	DATA	X'F425B00C'	
2381	01	00916	5DAB9C62 A	DATA	X'5DAB9C62'	
2382	01	00917	5DAB9C62 A	DATA	X'5DAB9C62'	
2383	01	00918	FFFFFFF4 A	DATA	-12	FML
2384	01	00919	1FC003E0	FML#12	MEMORY	
2385	01	0091A	0530019B N	K	0,5,3,FLPFSW	
2386	01	0091B	15300145 N	K	1,5,3,LBC+2	
2387	01	0091C	3B667A40 A	DATA	X'3B667A40'	
2388	01	0091D	E8D70A3E A	DATA	X'E8D70A3E'	
2389	01	0091E	E699AD73 A	DATA	X'E699AD73'	
2390	01	0091F	E699AD73 A	DATA	X'E699AD73'	
2391	01	00920	E48DDF82 A	DATA	X'E48DDF82'	
2392	01	00921	C5075379 A	DATA	X'C5075379'	
2393	01	00922	916CDA05 A	DATA	X'916CDA05'	
2394	01	00923	916CDA05 A	DATA	X'916CDA05'	
2395	01	00924	FFFFFFF4 A	DATA	-12	FML
2396	01	00925	1FC003E0	FML#12	MEMORY	
2397	01	00926	0530019B N	K	0,5,3,FLPFSW	
2398	01	00927	15300145 N	K	1,5,3,LBC+2	
2399	01	00928	53AEF1A4 A	DATA	X'53AEF1A4'	
2400	01	00929	E08CDA2F A	DATA	X'E08CDA2F'	
2401	01	0092A	F3578058 A	DATA	X'F3578058'	
2402	01	0092B	F3578058 A	DATA	X'F3578058'	
2403	01	0092C	BF6125A3 A	DATA	X'BF6125A3'	
2404	01	0092D	84590872 A	DATA	X'84590872'	
2405	01	0092E	81234034 A	DATA	X'81234034'	
2406	01	0092F	81234034 A	DATA	X'81234034'	

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2407				PAGE		
2408	01	00930	FFFFFFF4 A	DATA	-12	FML
2409	01	00931	1FC003E0	FML#12	MEMORY	
2410	01	00932	0530019B N	K	0,5,3,FLPFSW	
2411	01	00933	25300145 N	K	2,5,3,LBC+2	
2412	01	00934	D9C25A96 A	DATA	X'D9C25A96'	
2413	01	00935	1A12F4D2 A	DATA	X'1A12F4D2'	
2414	01	00936	C9B14785 A	DATA	X'C9B14785'	
2415	01	00937	C9B14785 A	DATA	X'C9B14785'	
2416	01	00938	E9D369A7 A	DATA	X'E9D369A7'	
2417	01	00939	5AC8D64E A	DATA	X'5AC8D64E'	
2418	01	0093A	86A03674 A	DATA	X'86A03674'	
2419	01	0093B	86A03674 A	DATA	X'86A03674'	
2420	01	0093C	FFFFFFF4 A	DATA	-12	FML
2421	01	0093D	1FC003E0	FML#12	MEMORY	
2422	01	0093E	0530019B N	K	0,5,3,FLPFSW	
2423	01	0093F	25300145 N	K	2,5,3,LBC+2	
2424	01	00940	1C0596DA A	DATA	X'1C0596DA'	
2425	01	00941	2854DAFB A	DATA	X'2854DAFB'	
2426	01	00942	4DF2E8D8 A	DATA	X'4DF2E8D8'	
2427	01	00943	4DF2E8D8 A	DATA	X'4DF2E8D8'	
2428	01	00944	3708F585 A	DATA	X'3708F585'	
2429	01	00945	777886FD A	DATA	X'777886FD'	
2430	01	00946	6E140AFA A	DATA	X'6E140AFA'	
2431	01	00947	6E140AFA A	DATA	X'6E140AFA'	
2432	01	00948	FFFFFFF4 A	DATA	-12	FML
2433	01	00949	1FC003E0	FML#12	MEMORY	
2434	01	0094A	0530019B N	K	0,5,3,FLPFSW	
2435	01	0094B	15300145 N	K	1,5,3,LBC+2	
2436	01	0094C	13048243 A	DATA	X'13048243'	
2437	01	0094D	D3D73197 A	DATA	X'D3D73197'	
2438	01	0094E	A56F321B A	DATA	X'A56F321B'	
2439	01	0094F	A56F321B A	DATA	X'A56F321B'	
2440	01	00950	DFA08A94 A	DATA	X'DFA08A94'	
2441	01	00951	C0ED95BC A	DATA	X'C0ED95BC'	
2442	01	00952	9ACB652D A	DATA	X'9ACB652D'	
2443	01	00953	9ACB652D A	DATA	X'9ACB652D'	

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2444				PAGE		
2445	01	00954	FFFFFFF4 A	FML*0	DATA	-12
2446	01	00955	1FC003E0		FMS*12	MEMBRY
2447	01	00956	05300198 N		K	0,5,3,FLPFSW
2448	01	00957	25300145 N		K	1,5,3,LBC+2
2449	01	00958	1CC7FCFC A		DATA	X'1CC7FCFC'
2450	01	00959	364A9399 A		DATA	X'364A9399'
2451	01	0095A	5A5F7680 A		DATA	X'5A5F7680'
2452	01	0095B	5A5F7680 A		DATA	X'5A5F7680'
2453	01	0095C	37C1F3C1 A		DATA	X'37C1F3C1'
2454	01	0095D	C95D07AA A		DATA	X'C95D07AA'
2455	01	0095E	1CC95618 A		DATA	X'1CC95618'
2456	01	0095F	1CC95618 A		DATA	X'1CC95618'

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2457				PAGE		
2458	01	00960	FFFFFFF4 A	FMS01	DATA	-12
2459	01	00961	3FC003E0		FMS*12	MEMBRY
2460	01	00962	05300198 N		K	0,5,3,FLPFSW
2461	01	00963	15300145 N		K	1,5,3,LBC+2
2462	01	00964	46555555 A		DATA	X'46555555'
2463	01	00965	F5C71C71 A		DATA	X'F5C71C71'
2464	01	00966	F3555555 A		DATA	X'F3555555'
2465	01	00967	F3555555 A		DATA	X'F3555555'
2466	01	00968	00000000 A		DATA	X'0'
2467	01	00969	E38E3900 A		DATA	X'E38E3900'
2468	01	0096A	00000000 A		DATA	X'0'
2469	01	00969	00000000 A		DATA	X'0'
2470	01	0096C	FFFFFFF4 A	FMS02	DATA	-12
2471	01	0096D	3FC003E0		FMS*12	MEMBRY
2472	01	0096E	05300198 N		K	0,5,3,FLPFSW
2473	01	0096F	15300145 N		K	1,5,3,LBC+2
2474	01	00970	08AAAAAA A		DATA	X'08AAAAAA'
2475	01	00971	F2C71C71 A		DATA	X'F2C71C71'
2476	01	00972	BAAAAAAA A		DATA	X'BAAAAAAA'
2477	01	00973	BAAAAAAA A		DATA	X'BAAAAAAA'
2478	01	00974	00000000 A		DATA	X'0'
2479	01	00975	8E38E400 A		DATA	X'8E38E400'
2480	01	00976	00000000 A		DATA	X'0'
2481	01	00977	00000000 A		DATA	X'0'
2482	01	00978	FFFFFFF4 A	FMS03	DATA	-12
2483	01	00979	3FC003E0		FMS*12	MEMBRY
2484	01	0097A	05300198 N		K	0,5,3,FLPFSW
2485	01	0097B	05300145 N		K	0,5,3,LBC+2
2486	01	0097C	80000000 A		DATA	X'80000000'
2487	01	0097D	00000000 A		DATA	X'0'
2488	01	0097E	7F000000 A		DATA	X'7F000000'
2489	01	0097F	7F000000 A		DATA	X'7F000000'
2490	01	00980	00000000 A		DATA	X'0'
2491	01	00981	00000000 A		DATA	X'0'
2492	01	00982	00000000 A		DATA	X'0'
2493	01	00983	00000000 A		DATA	X'0'

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2494					PAGE			
2495	01	00984	FFFFFFFF4 A	FMS04	DATA	-12	FMS	FEUF,FZ=0
2496	01	00985	3FC003E0		FMS,12	MEMORY		
2497	01	00986	05300198 N		K	0,5,3,FLPFSW		
2498	01	00987	C5300145 N		K	12,5,3,L8C+2		
2499	01	00988	01100000 A		DATA	X'01100000'		
2500	01	00989	00000000 A		DATA	X'0'		
2501	01	0098A	3F100000 A		DATA	X'3F100000'		
2502	01	0098B	3F100000 A		DATA	X'3F100000'		
2503	01	0098C	00000000 A		DATA	X'0'		
2504	01	0098D	00000000 A		DATA	X'0'		
2505	01	0098E	00000000 A		DATA	X'0'		
2506	01	0098F	00000000 A		DATA	X'0'		
2507	01	00990	FFFFFFFF4 A	FMS05	DATA	-12	FMS	
2508	01	00991	3FC003E0		FMS,12	MEMORY		
2509	01	00992	05300198 N		K	0,5,3,FLPFSW		
2510	01	00993	25300145 N		K	2,5,3,L8C+2		
2511	01	00994	CFF00000 A		DATA	X'CFE00000'		
2512	01	00995	1F100000 A		DATA	X'1F100000'		
2513	01	00996	CFE00000 A		DATA	X'CFE00000'		
2514	01	00997	CFE00000 A		DATA	X'CFE00000'		
2515	01	00998	00000000 A		DATA	X'0'		
2516	01	00999	00000000 A		DATA	X'0'		
2517	01	0099A	00000000 A		DATA	X'0'		
2518	01	0099B	00000000 A		DATA	X'0'		
2519	01	0099C	FFFFFFFF4 A	FMS06	DATA	-12	FMS	FEUF,FZ=1
2520	01	0099D	3FC003E0		FMS,12	MEMORY		
2521	01	0099E	07300198 N		K	0,7,3,FLPFSW		
2522	01	0099F	E730008A N		K	14,7,3,FPFRET+1		
2523	01	009A0	3F100000 A		DATA	X'3F100000'		
2524	01	009A1	3F100000 A		DATA	X'3F100000'		
2525	01	009A2	01100000 A		DATA	X'01100000'		
2526	01	009A3	01100000 A		DATA	X'01100000'		
2527	01	009A4	00000000 A		DATA	X'0'		
2528	01	009A5	00000000 A		DATA	X'0'		
2529	01	009A6	00000000 A		DATA	X'0'		
2530	01	009A7	00000000 A		DATA	X'0'		

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2531					PAGE			
2532	01	009A8	FFFFFFFF4 A	FMS07	DATA	-12	FMS	FEUF
2533	01	009A9	3FC003E0		FMS,12	MEMORY		
2534	01	009AA	05300198 N		K	0,5,3,FLPFSW		
2535	01	009AB	6530008A N		K	6,5,3,FPFRET+1		
2536	01	009AC	61369AD0 A		DATA	X'61369AD0'		
2537	01	009AD	61369AD0 A		DATA	X'61369AD0'		
2538	01	009AE	60159027 A		DATA	X'60159027'		
2539	01	009AF	60159027 A		DATA	X'60159027'		
2540	01	009B0	00000000 A		DATA	X'0'		
2541	01	009B1	00000000 A		DATA	X'0'		
2542	01	009B2	00000000 A		DATA	X'0'		
2543	01	009B3	00000000 A		DATA	X'0'		
2544	01	009B4	FFFFFFFF4 A	FMS08	DATA	-12	FMS	
2545	01	009B5	3FC003E0		FMS,12	MEMORY		
2546	01	009B6	05300198 N		K	0,5,3,FLPFSW		
2547	01	009B7	25300145 N		K	2,5,3,L8C+2		
2548	01	009B8	61659CC1 A		DATA	X'61659CC1'		
2549	01	009B9	2D144963 A		DATA	X'2D144963'		
2550	01	009BA	0C331C1F A		DATA	X'0C331C1F'		
2551	01	009BB	0C331C1F A		DATA	X'0C331C1F'		
2552	01	009BC	00000000 A		DATA	X'0'		
2553	01	009BD	E6175F00 A		DATA	X'E6175F00'		
2554	01	009BE	00000000 A		DATA	X'0'		
2555	01	009BF	00000000 A		DATA	X'0'		
2556	01	009C0	FFFFFFFF4 A	FMS09	DATA	-12	FMS	
2557	01	009C1	3FC003E0		FMS,12	MEMORY		
2558	01	009C2	05300198 N		K	0,5,3,FLPFSW		
2559	01	009C3	25300145 N		K	2,5,3,L8C+2		
2560	01	009C4	C624A394 A		DATA	X'C624A394'		
2561	01	009C5	352360E1 A		DATA	X'352360E1'		
2562	01	009C6	C3D6B663 A		DATA	X'C3D6B663'		
2563	01	009C7	C3D6B663 A		DATA	X'C3D6B663'		
2564	01	009C8	00000000 A		DATA	X'0'		
2565	01	009C9	2E7A3C00 A		DATA	X'2E7A3C00'		
2566	01	009CA	00000000 A		DATA	X'0'		
2567	01	009CB	00000000 A		DATA	X'0'		

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Address	OpCode	OpCode Hex	OpCode Char	OpCode Type	OpCode Label	OpCode Comment	OpCode Data	OpCode Page	OpCode FMS
2568								PAGE	
2569	01	009CC	FFFFFFF4	A	FMS10	DATA	-12		FMS
2570	01	009CD	3FC003E0			FMS,12	MEMBRY		
2571	01	009CE	05300198	N		K	0,5,3,FLPFSW		
2572	01	009CF	15300145	N		K	1,5,3,LBC+2		
2573	01	009D0	8CA5A5F3	A		DATA	X'8CA5A5F3'		
2574	01	009D1	F9A698D9	A		DATA	X'F9A698D9'		
2575	01	009D2	03FD4FC7	A		DATA	X'03FD4FC7'		
2576	01	009D3	03FD4FC7	A		DATA	X'03FD4FC7'		
2577	01	009D4	00000000	A		DATA	X'0'		
2578	01	009D5	20FCE500	A		DATA	X'20FCE500'		
2579	01	009D6	00000000	A		DATA	X'0'		
2580	01	009D7	00000000	A		DATA	X'0'		
2581	01	009D8	FFFFFFF4	A	FMS11	DATA	-12		FMS
2582	01	009D9	3FC003E0			FMS,12	MEMBRY		
2583	01	009DA	05300198	N		K	0,5,3,FLPFSW		
2584	01	009DB	25300145	N		K	2,5,3,LBC+2		
2585	01	009DC	2C6E4866	A		DATA	X'2C6E4866'		
2586	01	009DD	2D160489	A		DATA	X'2D160489'		
2587	01	009DE	41331C1F	A		DATA	X'41331C1F'		
2588	01	009DF	41331C1F	A		DATA	X'41331C1F'		
2589	01	009E0	00000000	A		DATA	X'0'		
2590	01	009E1	97ECSA00	A		DATA	X'97ECSA00'		
2591	01	009E2	00000000	A		DATA	X'0'		
2592	01	009E3	00000000	A		DATA	X'0'		
2593	01	009E4	FFFFFFF4	A	FMS12	DATA	-12		FMS
2594	01	009E5	3FC003E0			FMS,12	MEMBRY		
2595	01	009E6	05300198	N		K	0,5,3,FLPFSW		
2596	01	009E7	25300145	N		K	2,5,3,LBC+2		
2597	01	009E8	57A63427	A		DATA	X'57A63427'		
2598	01	009E9	1A3C496D	A		DATA	X'1A3C496D'		
2599	01	009EA	035CD3C7	A		DATA	X'035CD3C7'		
2600	01	009EB	035CD3C7	A		DATA	X'035CD3C7'		
2601	01	009EC	00000000	A		DATA	X'0'		
2602	01	009ED	D3E75100	A		DATA	X'D3E75100'		
2603	01	009EE	00000000	A		DATA	X'0'		
2604	01	009EF	00000000	A		DATA	X'0'		

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Address	OpCode	OpCode Hex	OpCode Char	OpCode Type	OpCode Label	OpCode Comment	OpCode Data	OpCode Page	OpCode FMS
2605								PAGE	
2606	01	009F0	FFFFFFF4	A	FMS13	DATA	-12		FMS
2607	01	009F1	3FC003E0			FMS,12	MEMBRY		
2608	01	009F2	05300198	N		K	0,5,3,FLPFSW		
2609	01	009F3	25300145	N		K	2,5,3,LBC+2		
2610	01	009F4	2878C1F3	A		DATA	X'2878C1F3'		
2611	01	009F5	042963D1	A		DATA	X'042963D1'		
2612	01	009F6	1C57CF8E	A		DATA	X'1C57CF8E'		
2613	01	009F7	1C57CF8E	A		DATA	X'1C57CF8E'		
2614	01	009F8	00000000	A		DATA	X'0'		
2615	01	009F9	6411CA00	A		DATA	X'6411CA00'		
2616	01	009FA	00000000	A		DATA	X'0'		
2617	01	009FB	00000000	A		DATA	X'0'		
2618	01	009FC	FFFFFFF4	A	FMS14	DATA	-12		FMS
2619	01	009FD	3FC003E0			FMS,12	MEMBRY		
2620	01	009FE	05300198	N		K	0,5,3,FLPFSW		
2621	01	009FF	15300145	N		K	1,5,3,LBC+2		
2622	01	00A00	3F1301C0	A		DATA	X'3F1301C0'		
2623	01	00A01	D26EC418	A		DATA	X'D26EC418'		
2624	01	00A02	D085BDE1	A		DATA	X'D085BDE1'		
2625	01	00A03	D085BDE1	A		DATA	X'D085BDE1'		
2626	01	00A04	00000000	A		DATA	X'0'		
2627	01	00A05	F49C0000	A		DATA	X'F49C0000'		
2628	01	00A06	00000000	A		DATA	X'0'		
2629	01	00A07	00000000	A		DATA	X'0'		
2630	01	00A08	FFFFFFF4	A	FMS15	DATA	-12		FMS
2631	01	00A09	3FC003E0			FMS,12	MEMBRY		
2632	01	00A0A	05300198	N		K	0,5,3,FLPFSW		
2633	01	00A0B	15300145	N		K	1,5,3,LBC+2		
2634	01	00A0C	1C3F1C73	A		DATA	X'1C3F1C73'		
2635	01	00A0D	F5E5580F	A		DATA	X'F5E5580F'		
2636	01	00A0E	D193DFCF	A		DATA	X'D193DFCF'		
2637	01	00A0F	D193DFCF	A		DATA	X'D193DFCF'		
2638	01	00A10	00000000	A		DATA	X'0'		
2639	01	00A11	D92DFD00	A		DATA	X'D92DFD00'		
2640	01	00A12	00000000	A		DATA	X'0'		
2641	01	00A13	00000000	A		DATA	X'0'		

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2642				PAGE		
2643	01	00A14	FFFFFFFF A	FMS16	DATA	-12 FMS
2644	01	00A15	3FC003E0		FMS,12	MEMORY
2645	01	00A16	0530019B N		K	0,5,3,FLPFSW
2646	01	00A17	25300145 N		K	2,5,3,LBC+2
2647	01	00A18	41659CC1 A		DATA	X'41659CC1'
2648	01	00A19	0C294393 A		DATA	X'0C294393'
2649	01	00A1A	0367F5A8 A		DATA	X'0367F5A8'
2650	01	00A1B	0367F5A8 A		DATA	X'0367F5A8'
2651	01	00A1C	00000000 A		DATA	X'0'
2652	01	00A1D	5A93A800 A		DATA	X'5A93A800'
2653	01	00A1E	00000000 A		DATA	X'0'
2654	01	00A1F	00000000 A		DATA	X'0'
2655	01	00A20	FFFFFFFF A	FMS17	DATA	-12 FMS
2656	01	00A21	3FC003E0		FMS,12	MEMORY
2657	01	00A22	0530019B N		K	0,5,3,FLPFSW
2658	01	00A23	15300145 N		K	1,5,3,LBC+2
2659	01	00A24	CFCF7C1C A		DATA	X'CFCF7C1C'
2660	01	00A25	CCE0275D A		DATA	X'CCE0275D'
2661	01	00A26	41A80AFD A		DATA	X'41A80AFD'
2662	01	00A27	41A80AFD A		DATA	X'41A80AFD'
2663	01	00A28	00000000 A		DATA	X'0'
2664	01	00A29	46BFAC00 A		DATA	X'46BFAC00'
2665	01	00A2A	00000000 A		DATA	X'0'
2666	01	00A2B	00000000 A		DATA	X'0'
2667	01	00A2C	FFFFFFFF A	FMS18	DATA	-12 FMS
2668	01	00A2D	3FC003E0		FMS,12	MEMORY
2669	01	00A2E	0530019B N		K	0,5,3,FLPFSW
2670	01	00A2F	25300145 N		K	2,5,3,LBC+2
2671	01	00A30	D2568CA9 A		DATA	X'D2568CA9'
2672	01	00A31	33917C3F A		DATA	X'33917C3F'
2673	01	00A32	B123F65A A		DATA	X'B123F65A'
2674	01	00A33	B123F65A A		DATA	X'B123F65A'
2675	01	00A34	00000000 A		DATA	X'0'
2676	01	00A35	E3B96A00 A		DATA	X'E3B96A00'
2677	01	00A36	00000000 A		DATA	X'0'
2678	01	00A37	00000000 A		DATA	X'0'

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2679				PAGE		
2680	01	00A38	FFFFFFFF A	FMS19	DATA	-12 FMS
2681	01	00A39	3FC003E0		FMS,12	MEMORY
2682	01	00A3A	0530019B N		K	0,5,3,FLPFSW
2683	01	00A3B	25300145 N		K	2,5,3,LBC+2
2684	01	00A3C	34284031 A		DATA	X'34284031'
2685	01	00A3D	23F04045 A		DATA	X'23F04045'
2686	01	00A3E	385F8073 A		DATA	X'385F8073'
2687	01	00A3F	385F8073 A		DATA	X'385F8073'
2688	01	00A40	00000000 A		DATA	X'0'
2689	01	00A41	C5803000 A		DATA	X'C5803000'
2690	01	00A42	00000000 A		DATA	X'0'
2691	01	00A43	00000000 A		DATA	X'0'
2692	01	00A44	FFFFFFFF A	FMS20	DATA	-12 FMS
2693	01	00A45	3FC003E0		FMS,12	MEMORY
2694	01	00A46	0530019B N		K	0,5,3,FLPFSW
2695	01	00A47	15300145 N		K	1,5,3,LBC+2
2696	01	00A48	AFA041E6 A		DATA	X'AFA041E6'
2697	01	00A49	C2CAD2AA A		DATA	X'C2CAD2AA'
2698	01	00A4A	2D8E2FD4 A		DATA	X'2D8E2FD4'
2699	01	00A4B	2D8E2FD4 A		DATA	X'2D8E2FD4'
2700	01	00A4C	00000000 A		DATA	X'0'
2701	01	00A4D	63CC7800 A		DATA	X'63CC7800'
2702	01	00A4E	00000000 A		DATA	X'0'
2703	01	00A4F	00000000 A		DATA	X'0'
2704	01	00A50	FFFFFFFF A	FMS21	DATA	-12 FMS R 0DD
2705	01	00A51	3FD003E0		FMS,13	MEMORY
2706	01	00A52	0530019B N		K	0,5,3,FLPFSW
2707	01	00A53	15300145 N		K	1,5,3,LBC+2
2708	01	00A54	00000000 A		DATA	X'0'
2709	01	00A55	00000000 A		DATA	X'0'
2710	01	00A56	A36950C1 A		DATA	X'A36950C1'
2711	01	00A57	A06950C1 A		DATA	X'A06950C1'
2712	01	00A58	1A963D9E A		DATA	X'1A963D9E'
2713	01	00A59	03A7910D A		DATA	X'03A7910D'
2714	01	00A5A	00000000 A		DATA	X'0'
2715	01	00A5B	00000000 A		DATA	X'0'

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2716					PAGE		
2717	01	00A5C	FFFFFFFF4	A	FMS22	DATA	-12
2718	01	00A5D	3FD003E0			FMS#13	MEMORY
2719	01	00A5E	0530019B	N		K	0,5,3,FLPFSW
2720	01	00A5F	25300145	N		K	2,5,3,LBC+2
2721	01	00A60	00000000	A		DATA	X'0'
2722	01	00A61	00000000	A		DATA	X'0'
2723	01	00A62	47630A6B	A		DATA	X'47630A6B'
2724	01	00A63	47630A6B	A		DATA	X'47630A6B'
2725	01	00A64	28741B96	A		DATA	X'28741B96'
2726	01	00A65	2F2CEB64	A		DATA	X'2F2CEB64'
2727	01	00A66	00000000	A		DATA	X'0'
2728	01	00A67	00000000	A		DATA	X'0'
2729	01	00A68	FFFFFFFF4	A	FMS23	DATA	-12
2730	01	00A69	3FD003E0			FMS#13	MEMORY
2731	01	00A6A	0530019B	N		K	0,5,3,FLPFSW
2732	01	00A6B	25300145	N		K	2,5,3,LBC+2
2733	01	00A6C	00000000	A		DATA	X'0'
2734	01	00A6D	00000000	A		DATA	X'0'
2735	01	00A6E	69A52CBD	A		DATA	X'69A52CBD'
2736	01	00A6F	69A52CBD	A		DATA	X'69A52CBD'
2737	01	00A70	035216FB	A		DATA	X'035216FB'
2738	01	00A71	2C34F728	A		DATA	X'2C34F728'
2739	01	00A72	00000000	A		DATA	X'0'
2740	01	00A73	00000000	A		DATA	X'0'
2741	01	00A74	FFFFFFFF4	A	FMS24	DATA	-12
2742	01	00A75	3FD003E0			FMS#13	MEMORY
2743	01	00A76	0530019B	N		K	0,5,3,FLPFSW
2744	01	00A77	25300145	N		K	2,5,3,LBC+2
2745	01	00A78	00000000	A		DATA	X'0'
2746	01	00A79	00000000	A		DATA	X'0'
2747	01	00A7A	43043218	A		DATA	X'43043218'
2748	01	00A7B	43043218	A		DATA	X'43043218'
2749	01	00A7C	2508753F	A		DATA	X'2508753F'
2750	01	00A7D	26237CAD	A		DATA	X'26237CAD'
2751	01	00A7E	00000000	A		DATA	X'0'
2752	01	00A7F	00000000	A		DATA	X'0'

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2753					PAGE		
2754	01	00A80	FFFFFFFF4	A	FMS25	DATA	-12
2755	01	00A81	3FD003E0			FMS#13	MEMORY
2756	01	00A82	0530019B	N		K	0,5,3,FLPFSW
2757	01	00A83	25300145	N		K	2,5,3,LBC+2
2758	01	00A84	00000000	A		DATA	X'0'
2759	01	00A85	00000000	A		DATA	X'0'
2760	01	00A86	4A1FEA60	A		DATA	X'4A1FEA60'
2761	01	00A87	4A1FEA60	A		DATA	X'4A1FEA60'
2762	01	00A88	2182FDD8	A		DATA	X'2182FDD8'
2763	01	00A89	231054AA	A		DATA	X'231054AA'
2764	01	00A8A	00000000	A		DATA	X'0'
2765	01	00A8B	00000000	A		DATA	X'0'
2766	01	00A8C	FFFFFFFF4	A	FMS26	DATA	-12
2767	01	00A8D	3FD003E0			FMS#13	MEMORY
2768	01	00A8E	0530019B	N		K	0,5,3,FLPFSW
2769	01	00A8F	25300145	N		K	2,5,3,LBC+2
2770	01	00A90	00000000	A		DATA	X'0'
2771	01	00A91	00000000	A		DATA	X'0'
2772	01	00A92	5A0DC619	A		DATA	X'5A0DC619'
2773	01	00A93	5A0DC619	A		DATA	X'5A0DC619'
2774	01	00A94	170A99E6	A		DATA	X'170A99E6'
2775	01	00A95	30Bc2F90	A		DATA	X'30Bc2F90'
2776	01	00A96	00000000	A		DATA	X'0'
2777	01	00A97	00000000	A		DATA	X'0'
2778	01	00A98	FFFFFFFF4	A	FMS27	DATA	-12
2779	01	00A99	3FD003E0			FMS#13	MEMORY
2780	01	00A9A	0530019B	N		K	0,5,3,FLPFSW
2781	01	00A9B	25300145	N		K	2,5,3,LBC+2
2782	01	00A9C	00000000	A		DATA	X'0'
2783	01	00A9D	00000000	A		DATA	X'0'
2784	01	00A9E	41A766B3	A		DATA	X'41A766B3'
2785	01	00A9F	41A766B3	A		DATA	X'41A766B3'
2786	01	00AA0	158897C4	A		DATA	X'158897C4'
2787	01	00AA1	1678B50E	A		DATA	X'1678B50E'
2788	01	00AA2	00000000	A		DATA	X'0'
2789	01	00AA3	00000000	A		DATA	X'0'

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2790					PAGE		
2791	01	00AA4	FFFFFFFF4 A	FMS28	DATA	-12	FMS
2792	01	00AA5	3FD003E0		FMS,13	MEMORY	
2793	01	00AA6	0530019B N		K	0,5,3,FLPFSW	
2794	01	00AA7	C5300145 N		K	12,5,3,L8C+2	
2795	01	00AA8	00000000 A		DATA	X'0'	
2796	01	00AA9	00000000 A		DATA	X'0'	
2797	01	00AAA	26C9BAD5 A		DATA	X'26C9BAD5'	
2798	01	00AA3	26C9BAD5 A		DATA	X'26C9BAD5'	
2799	01	00AAC	136AF5B2 A		DATA	X'136AF5B2'	
2800	01	00AAD	00000000 A		DATA	X'0'	
2801	01	00AAE	00000000 A		DATA	X'0'	
2802	01	00AAF	00000000 A		DATA	X'0'	
2803	01	00AB0	FFFFFFFF4 A	FMS29	DATA	-12	FMS
2804	01	00AB1	3FD003E0		FMS,13	MEMORY	
2805	01	00AB2	0530019B N		K	0,5,3,FLPFSW	
2806	01	00AB3	15300145 N		K	1,5,3,L8C+2	
2807	01	00AB4	00000000 A		DATA	X'0'	
2808	01	00AB5	00000000 A		DATA	X'0'	
2809	01	00AB6	51234034 A		DATA	X'51234034'	
2810	01	00AB7	51234034 A		DATA	X'51234034'	
2811	01	00AB8	F3578058 A		DATA	X'F3578058'	
2812	01	00AB9	E2E8CC4A A		DATA	X'E2E8CC4A'	
2813	01	00ABA	00000000 A		DATA	X'0'	
2814	01	00ABB	00000000 A		DATA	X'0'	
2815	01	00ABC	FFFFFFFF4 A	FMS30	DATA	-12	FMS
2816	01	00ABD	3FD003E0		FMS,13	MEMORY	
2817	01	00ABE	0530019B N		K	0,5,3,FLPFSW	
2818	01	00ABF	15300145 N		K	1,5,3,L8C+2	
2819	01	00AC0	00000000 A		DATA	X'0'	
2820	01	00AC1	00000000 A		DATA	X'0'	
2821	01	00AC2	06AEF1A4 A		DATA	X'06AEF1A4'	
2822	01	00AC3	06AEF1A4 A		DATA	X'06AEF1A4'	
2823	01	00AC4	C08DDF82 A		DATA	X'C08DDF82'	
2824	01	00AC5	FAB20231 A		DATA	X'FAB20231'	
2825	01	00AC6	00000000 A		DATA	X'0'	
2826	01	00AC7	00000000 A		DATA	X'0'	

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2827					PAGE		
2828	01	00AC8	FFFFFFFF4 A	FMS31	DATA	-12	FMS
2829	01	00AC9	3FD003E0		FMS,13	MEMORY	
2830	01	00ACA	0530019B N		K	0,5,3,FLPFSW	
2831	01	00ACB	15300145 N		K	1,5,3,L8C+2	
2832	01	00ACC	00000000 A		DATA	X'0'	
2833	01	00ACD	00000000 A		DATA	X'0'	
2834	01	00ACE	3D60D0A5 A		DATA	X'3D60D0A5'	
2835	01	00ACF	3D60D0A5 A		DATA	X'3D60D0A5'	
2836	01	00AD0	E699AD73 A		DATA	X'E699AD73'	
2837	01	00AD1	E9D94DA7 A		DATA	X'E9D94DA7'	
2838	01	00AD2	00000000 A		DATA	X'0'	
2839	01	00AD3	00000000 A		DATA	X'0'	
2840	01	00AD4	FFFFFFFF4 A	FMS32	DATA	-12	FMS
2841	01	00AD5	3FD003E0		FMS,13	MEMORY	
2842	01	00AD6	0530019B N		K	0,5,3,FLPFSW	
2843	01	00AD7	25300145 N		K	2,5,3,L8C+2	
2844	01	00AD8	00000000 A		DATA	X'0'	
2845	01	00AD9	00000000 A		DATA	X'0'	
2846	01	00ADA	3B667A40 A		DATA	X'3B667A40'	
2847	01	00ADB	3B667A40 A		DATA	X'3B667A40'	
2848	01	00ADC	2C798B51 A		DATA	X'2C798B51'	
2849	01	00ADD	2730A78D A		DATA	X'2730A78D'	
2850	01	00ADE	00000000 A		DATA	X'0'	
2851	01	00ADF	00000000 A		DATA	X'0'	
2852	01	00AE0	FFFFFFFF4 A	FMS33	DATA	-12	FMS
2853	01	00AE1	3FD003E0		FMS,13	MEMORY	
2854	01	00AE2	0530019B N		K	0,5,3,FLPFSW	
2855	01	00AE3	25300145 N		K	2,5,3,L8C+2	
2856	01	00AE4	00000000 A		DATA	X'0'	
2857	01	00AE5	00000000 A		DATA	X'0'	
2858	01	00AE6	5DA9C62 A		DATA	X'5DA9C62'	
2859	01	00AE7	5DA9C62 A		DATA	X'5DA9C62'	
2860	01	00AE8	2B5FA631 A		DATA	X'2B5FA631'	
2861	01	00AE9	483FBECA A		DATA	X'483FBECA'	
2862	01	00AEA	00000000 A		DATA	X'0'	
2863	01	00AEB	00000000 A		DATA	X'0'	

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2864					PAGE		
2865	01	00AEC	FFFFFFFF A	FMS34	DATA	-12	FMS
2866	01	00AED	3FD003E0		FMS#13	MEMBRY	
2867	01	00AEE	0530019B N		K	0,5,3,FLPFSW	
2868	01	00AEF	15300145 N		K	1,5,3,LBC+2	
2869	01	00AF0	00000000 A		DATA	X'0'	
2870	01	00AF1	00000000 A		DATA	X'0'	
2871	01	00AF2	67F4A1EA A		DATA	X'67F4A1EA'	
2872	01	00AF3	67F4A1EA A		DATA	X'67F4A1EA'	
2873	01	00AF4	E0D28F48 A		DATA	X'E0D28F48'	
2874	01	00AF5	C6D493D4 A		DATA	X'C6D493D4'	
2875	01	00AF6	00000000 A		DATA	X'0'	
2876	01	00AF7	00000000 A		DATA	X'0'	
2877	01	00AF8	FFFFFFFF A	FMS35	DATA	-12	FMS
2878	01	00AF9	3FD003E0		FMS#13	MEMBRY	
2879	01	00AFA	0530019B N		K	0,5,3,FLPFSW	
2880	01	00AFB	15300145 N		K	1,5,3,LBC+2	
2881	01	00AFC	00000000 A		DATA	X'0'	
2882	01	00AFD	00000000 A		DATA	X'0'	
2883	01	00AFE	9CD5A061 A		DATA	X'9CD5A061'	
2884	01	00AFF	9CD5A061 A		DATA	X'9CD5A061'	
2885	01	00B00	09A37D9E A		DATA	X'09A37D9E'	
2886	01	00B01	D3E4F053 A		DATA	X'D3E4F053'	
2887	01	00B02	00000000 A		DATA	X'0'	
2888	01	00B03	00000000 A		DATA	X'0'	
2889	01	00B04	FFFFFFFF A	FMS36	DATA	-12	FMS
2890	01	00B05	3FD003E0		FMS#13	MEMBRY	
2891	01	00B06	0530019B N		K	0,5,3,FLPFSW	
2892	01	00B07	25300145 N		K	2,5,3,LBC+2	
2893	01	00B08	00000000 A		DATA	X'0'	
2894	01	00B09	00000000 A		DATA	X'0'	
2895	01	00B0A	36704AB6 A		DATA	X'36704AB6'	
2896	01	00B0B	36704AB6 A		DATA	X'36704AB6'	
2897	01	00B0C	29815B7C A		DATA	X'29815B7C'	
2898	01	00B0D	1F38BDC6 A		DATA	X'1F38BDC6'	
2899	01	00B0E	00000000 A		DATA	X'0'	
2900	01	00B0F	00000000 A		DATA	X'0'	

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2901					PAGE		
2902	01	00B10	FFFFFFFF A	FMS37	DATA	-12	FMS
2903	01	00B11	3FD003E0		FMS#13	MEMBRY	
2904	01	00B12	0530019B N		K	0,5,3,FLPFSW	
2905	01	00B13	25300145 N		K	2,5,3,LBC+2	
2906	01	00B14	00000000 A		DATA	X'0'	
2907	01	00B15	00000000 A		DATA	X'0'	
2908	01	00B16	5A962CAD A		DATA	X'5A962CAD'	
2909	01	00B17	5A962CAD A		DATA	X'5A962CAD'	
2910	01	00B18	1FA1365B A		DATA	X'1FA1365B'	
2911	01	00B19	395E91FB A		DATA	X'395E91FB'	
2912	01	00B1A	00000000 A		DATA	X'0'	
2913	01	00B1B	00000000 A		DATA	X'0'	
2914	01	00B1C	FFFFFFFF A	FMS38	DATA	-12	FMS
2915	01	00B1D	3FD003E0		FMS#13	MEMBRY	
2916	01	00B1E	0530019B N		K	0,5,3,FLPFSW	
2917	01	00B1F	15300145 N		K	1,5,3,LBC+2	
2918	01	00B20	00000000 A		DATA	X'0'	
2919	01	00B21	00000000 A		DATA	X'0'	
2920	01	00B22	5A5ACF3B A		DATA	X'5A5ACF3B'	
2921	01	00B23	5A5ACF3B A		DATA	X'5A5ACF3B'	
2922	01	00B24	FC7CF1CC A		DATA	X'FC7CF1CC'	
2923	01	00B25	E2D182EC A		DATA	X'E2D182EC'	
2924	01	00B26	00000000 A		DATA	X'0'	
2925	01	00B27	00000000 A		DATA	X'0'	
2926	01	00B28	FFFFFFFF A	FMS39	DATA	-12	FMS
2927	01	00B29	3FD003E0		FMS#13	MEMBRY	
2928	01	00B2A	0530019B N		K	0,5,3,FLPFSW	
2929	01	00B2B	15300145 N		K	1,5,3,LBC+2	
2930	01	00B2C	00000000 A		DATA	X'0'	
2931	01	00B2D	00000000 A		DATA	X'0'	
2932	01	00B2E	283DB547 A		DATA	X'283DB547'	
2933	01	00B2F	283DB547 A		DATA	X'283DB547'	
2934	01	00B30	E486C662 A		DATA	X'E486C662'	
2935	01	00B31	FCE2C76E A		DATA	X'FCE2C76E'	
2936	01	00B32	00000000 A		DATA	X'0'	
2937	01	00B33	00000000 A		DATA	X'0'	

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Address	Op	OpC	OpD	OpA	OpM	OpP	OpS	OpT	OpV
2938									PAGE
2939	01	00B34	FFFFFFF4	A	FMS40				DATA -12
2940	01	00B35	3FD003E0						MEMBRY FMS#13
2941	01	00B36	0530019B	N					K 0,5,3,FLPFSW
2942	01	00B37	25300145	N					K 2,5,3,LBC+2
2943	01	00B38	00000000	A					DATA X'0'
2944	01	00B39	00000000	A					DATA X'0'
2945	01	00B3A	2F9D60D8	A					DATA X'2F9D60D8'
2946	01	00B3B	2F9D60D8	A					DATA X'2F9D60D8'
2947	01	00B3C	340982D9	A					DATA X'340982D9'
2948	01	00B3D	225D8D82	A					DATA X'225D8D82'
2949	01	00B3E	00000000	A					DATA X'0'
2950	01	00B3F	00000000	A					DATA X'0'

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Address	Op	OpC	OpD	OpA	OpM	OpP	OpS	OpT	OpV
2951									PAGE
2952	01	00B40	FFFFFFF4	A	FDL01				DATA -12
2953	01	00B41	1EC003E0						FDL#12 MEMBRY
2954	01	00B42	0530019B	N					K 0,5,3,FLPFSW
2955	01	00B43	25300145	N					K 2,5,3,LBC+2
2956	01	00B44	8BAAAAAAAA	A					DATA X'8BAAAAAAAA'
2957	01	00B45	62800000	A					DATA X'62800000'
2958	01	00B46	DD555555	A					DATA X'DD555555'
2959	01	00B47	DD555555	A					DATA X'DD555555'
2960	01	00B48	AAAAAAAAAA	A					DATA X'AAAAAAAAAA'
2961	01	00B49	00000000	A					DATA X'0'
2962	01	00B4A	55555555	A					DATA X'55555555'
2963	01	00B4B	55555555	A					DATA X'55555555'
2964	01	00B4C	FFFFFFF4	A	FDL02				DATA -12
2965	01	00B4D	1EC003E0						FDL#12 MEMBRY
2966	01	00B4E	0530019B	N					K 0,5,3,FLPFSW
2967	01	00B4F	25300145	N					K 2,5,3,LBC+2
2968	01	00B50	10555555	A					DATA X'10555555'
2969	01	00B51	4D800000	A					DATA X'4D800000'
2970	01	00B52	03AAAAAAAA	A					DATA X'03AAAAAAAA'
2971	01	00B53	03AAAAAAAA	A					DATA X'03AAAAAAAA'
2972	01	00B54	55555555	A					DATA X'55555555'
2973	01	00B55	00000000	A					DATA X'0'
2974	01	00B56	AAAAAAAAAA	A					DATA X'AAAAAAAAAA'
2975	01	00B57	AAAAAAAAAA	A					DATA X'AAAAAAAAAA'
2976	01	00B58	FFFFFFF4	A	FDL03				DATA -12
2977	01	00B59	1EC003E0						FDL#12 MEMBRY
2978	01	00B5A	0530019B	N					K 0,5,3,FLPFSW
2979	01	00B5B	25300145	N					K 2,5,3,LBC+2
2980	01	00B5C	66AAAAAAAA	A					DATA X'66AAAAAAAA'
2981	01	00B5D	74200000	A					DATA X'74200000'
2982	01	00B5E	33555555	A					DATA X'33555555'
2983	01	00B5F	33555555	A					DATA X'33555555'
2984	01	00B60	AAAAAAAAAA	A					DATA X'AAAAAAAAAA'
2985	01	00B61	00000000	A					DATA X'0'
2986	01	00B62	55555555	A					DATA X'55555555'
2987	01	00B63	55555555	A					DATA X'55555555'

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2988				PAGE		
2989	01	00864	FFFFFFFF A	FDL04	DATA	-12
2990	01	00865	1E0003E0		FDL*12	MEMORY
2991	01	00866	05300198 N		K	0,5,3,FLPFSW
2992	01	00867	25300145 N		K	2,5,3,L0C+2
2993	01	00868	EE555555 A		DATA	X'EE555555'
2994	01	00869	2E1FFFFFF A		DATA	X'2E1FFFFFF'
2995	01	0086A	DBAAAAAA A		DATA	X'DBAAAAAA'
2996	01	0086B	DBAAAAAA A		DATA	X'DBAAAAAA'
2997	01	0086C	55555555 A		DATA	X'55555555'
2998	01	0086D	FFFFFFFF A		DATA	X'FFFFFFFF'
2999	01	0086E	AAAAAAA A		DATA	X'AAAAAAA'
3000	01	0086F	AAAAAAA A		DATA	X'AAAAAAA'
3001	01	00870	FFFFFFFF A	FDL05	DATA	-12
3002	01	00871	1E0003E0		FDL*12	MEMORY
3003	01	00872	05300198 N		K	0,5,3,FLPFSW
3004	01	00873	05300145 N		K	0,5,3,L0C+2
3005	01	00874	20000000 A		DATA	X'20000000'
3006	01	00875	00000000 A		DATA	X'0'
3007	01	00876	436BD238 A		DATA	X'436BD238'
3008	01	00877	436BD238 A		DATA	X'436BD238'
3009	01	00878	00000000 A		DATA	X'00000000'
3010	01	00879	00000000 A		DATA	X'0'
3011	01	0087A	6869210F A		DATA	X'6869210F'
3012	01	0087B	6869210F A		DATA	X'6869210F'
3013	01	0087C	FFFFFFFF A	FDL06	DATA	-12
3014	01	0087D	1E0003E0		FDL*12	MEMORY
3015	01	0087E	05300198 N		K	0,5,3,FLPFSW
3016	01	0087F	4530008A N		K	4,5,3,FPFRET+1
3017	01	00880	1F501355 A		DATA	X'1F501355'
3018	01	00881	1F501355 A		DATA	X'1F501355'
3019	01	00882	10000000 A		DATA	X'10000000'
3020	01	00883	10000000 A		DATA	X'10000000'
3021	01	00884	9960101A A		DATA	X'9960101A'
3022	01	00885	9960101A A		DATA	X'9960101A'
3023	01	00886	00000000 A		DATA	X'00000000'
3024	01	00887	00000000 A		DATA	X'0'

DIVISOR IS 0, TRAP

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3025				PAGE		
3026	01	00888	FFFFFFFF A	FDL07	DATA	-12
3027	01	00889	1E0003E0		FDL*12	MEMORY
3028	01	0088A	05300198 N		K	0,5,3,FLPFSW
3029	01	0088B	15300145 N		K	1,5,3,L0C+2
3030	01	0088C	30100000 A		DATA	X'30100000'
3031	01	0088D	AFB50001 A		DATA	X'AFB50001'
3032	01	0088E	DFC962FB A		DATA	X'DFC962FB'
3033	01	0088F	DFC962FB A		DATA	X'DFC962FB'
3034	01	00890	00000000 A		DATA	X'00000000'
3035	01	00891	8A99A95E A		DATA	X'8A99A95E'
3036	01	00892	76D8F280 A		DATA	X'76D8F280'
3037	01	00893	76D8F280 A		DATA	X'76D8F280'
3038	01	00894	FFFFFFFF A	FDL08	DATA	-12
3039	01	00895	1E0003E0		FDL*12	MEMORY
3040	01	00896	05300198 N		K	0,5,3,FLPFSW
3041	01	00897	25300145 N		K	2,5,3,L0C+2
3042	01	00898	36361BA7 A		DATA	X'36361BA7'
3043	01	00899	6F361BA7 A		DATA	X'6F361BA7'
3044	01	0089A	08100000 A		DATA	X'08100000'
3045	01	0089B	08100000 A		DATA	X'08100000'
3046	01	0089C	6568A665 A		DATA	X'6568A665'
3047	01	0089D	6568A665 A		DATA	X'6568A665'
3048	01	0089E	00000000 A		DATA	X'00000000'
3049	01	0089F	00000000 A		DATA	X'0'
3050	01	008A0	FFFFFFFF A	FDL09	DATA	-12
3051	01	008A1	1E0003E0		FDL*12	MEMORY
3052	01	008A2	05300198 N		K	0,5,3,FLPFSW
3053	01	008A3	C5300145 N		K	12,5,3,L3C+2
3054	01	008A4	1059AE26 A		DATA	X'1059AE26'
3055	01	008A5	00000000 A		DATA	X'0'
3056	01	008A6	5527C16B A		DATA	X'5527C16B'
3057	01	008A7	5527C16B A		DATA	X'5527C16B'
3058	01	008A8	C16305AF A		DATA	X'C16305AF'
3059	01	008A9	00000000 A		DATA	X'0'
3060	01	008AA	05B16C28 A		DATA	X'05B16C28'
3061	01	008AB	05B16C28 A		DATA	X'05B16C28'

FDL = FEJF = FZ=0

3062				PAGE		
3063	01	00BAC	FFFFFFFF4 A	FDL10	DATA	-12
3064	01	00BAD	1EC003E0		FDL#12	MEMORY
3065	01	00BAE	0730019B N		K	0,7,3,FLPFSW
3066	01	00BAF	E730008A N		K	14,7,3,FPFRET+1
3067	01	00BB0	1059AE26 A		DATA	X'1059AE26'
3068	01	00BB1	1059AE26 A		DATA	X'1059AE26'
3069	01	00BB2	5527C168 A		DATA	X'5527C168'
3070	01	00BB3	5527C168 A		DATA	X'5527C168'
3071	01	00BB4	C16305AF A		DATA	X'C16B05AF'
3072	01	00BB5	C16305AF A		DATA	X'C16B05AF'
3073	01	00BB6	05B16C28 A		DATA	X'05B16C28'
3074	01	00BB7	05B16C28 A		DATA	X'05B16C28'
3075	01	00BB8	FFFFFFFF4 A	FDL11	DATA	-12
3076	01	00BB9	1EC003E0		FDL#12	MEMORY
3077	01	00BBA	0530019B N		K	0,5,3,FLPFSW
3078	01	00BBB	6530008A N		K	6,5,3,FPFRET+1
3079	01	00BBC	7FA22676 A		DATA	X'7FA22676'
3080	01	00BBD	7FA22676 A		DATA	X'7FA22676'
3081	01	00BBE	3F212707 A		DATA	X'3F212707'
3082	01	00BBF	3F212707 A		DATA	X'3F212707'
3083	01	00BC0	C6C51168 A		DATA	X'C6C51168'
3084	01	00BC1	C6C51168 A		DATA	X'C6C51168'
3085	01	00BC2	92B682F0 A		DATA	X'92B682F0'
3086	01	00BC3	92B682F0 A		DATA	X'92B682F0'
3087	01	00BC4	FFFFFFFF4 A	FDL12	DATA	-12
3088	01	00BC5	1EC003E0		FDL#12	MEMORY
3089	01	00BC6	0530019B N		K	0,5,3,FLPFSW
3090	01	00BC7	25300145 N		K	2,5,3,LBC+2
3091	01	00BC8	8FF00000 A		DATA	X'8FF00000'
3092	01	00BC9	61100000 A		DATA	X'61100000'
3093	01	00BCA	DF000000 A		DATA	X'DF000000'
3094	01	00BCB	DF000000 A		DATA	X'DF000000'
3095	01	00BCC	00000000 A		DATA	X'00000000'
3096	01	00BCD	00000000 A		DATA	X'0'
3097	01	00BCE	00000000 A		DATA	X'0'
3098	01	00BCF	00000000 A		DATA	X'0'

3099				PAGE		
3100	01	00BD0	FFFFFFFF4 A	FDL13	DATA	-12
3101	01	00BD1	1EC003E0		FDL#12	MEMORY
3102	01	00BD2	0530019B N		K	0,5,3,FLPFSW
3103	01	00BD3	15300145 N		K	1,5,3,LBC+2
3104	01	00BD4	258BE147 A		DATA	X'258BE147'
3105	01	00BD5	AC723AD0 A		DATA	X'AC723AD0'
3106	01	00BD6	E00369CF A		DATA	X'E00369CF'
3107	01	00BD7	E00369CF A		DATA	X'E00369CF'
3108	01	00BD8	56AE37BF A		DATA	X'56AE37BF'
3109	01	00BD9	1302AF4F A		DATA	X'1302AF4F'
3110	01	00BDA	DF1357BD A		DATA	X'DF1357BD'
3111	01	00BD3	DF1357BD A		DATA	X'DF1357BD'
3112	01	00BDC	FFFFFFFF4 A	FDL14	DATA	-12
3113	01	00BD0	1EC003E0		FDL#12	MEMORY
3114	01	00BDE	0530019B N		K	0,5,3,FLPFSW
3115	01	00BDF	25300145 N		K	2,5,3,LBC+2
3116	01	00BE0	E135798D A		DATA	X'E135798D'
3117	01	00BE1	521178EE A		DATA	X'521178EE'
3118	01	00BE2	F2468ACE A		DATA	X'F2468ACE'
3119	01	00BE3	F2468ACE A		DATA	X'F2468ACE'
3120	01	00BE4	8147AD03 A		DATA	X'8147AD03'
3121	01	00BE5	8FD83D40 A		DATA	X'8FD83D40'
3122	01	00BE6	E26AE38D A		DATA	X'E26AE38D'
3123	01	00BE7	E26AE38D A		DATA	X'E26AE38D'
3124	01	00BE8	FFFFFFFF4 A	FDL15	DATA	-12
3125	01	00BE9	1EC003E0		FDL#12	MEMORY
3126	01	00BEA	0530019B N		K	0,5,3,FLPFSW
3127	01	00BE3	25300145 N		K	2,5,3,LBC+2
3128	01	00BEC	27C16805 A		DATA	X'27C16805'
3129	01	00BED	54161CD6 A		DATA	X'54161CD6'
3130	01	00BEE	148BF37B A		DATA	X'148BF37B'
3131	01	00BEF	148BF37B A		DATA	X'148BF37B'
3132	01	00BF0	F37BF49E A		DATA	X'F37BF49E'
3133	01	00BF1	30CA4568 A		DATA	X'30CA4568'
3134	01	00BF2	E26AF49F A		DATA	X'E26AF49F'
3135	01	00BF3	E26AF49F A		DATA	X'E26AF49F'

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3136					PAGE		
3137	01	00BF4	FFFFFFF4 A	FDL16	DATA	-12	FDL
3138	01	00BF5	1EC003E0		FOL*12	MEMORY	
3139	01	00BF6	0530019B N		K	0,5,3,FLPFSW	
3140	01	00BF7	25300145 N		K	1,5,3,L0C+2	
3141	01	00BF8	F0259E49 A		DATA	X'F0259E49'	
3142	01	00BF9	4C720151 A		DATA	X'4C720151'	
3143	01	00BFA	F3E159F0 A		DATA	X'F3E159F0'	
3144	01	00BFB	F3E159F0 A		DATA	X'F3E159F0'	
3145	01	00BFC	45AE739F A		DATA	X'45AE739F'	
3146	01	00BFD	288750D3 A		DATA	X'288750D3'	
3147	01	00BFE	28CE53DF A		DATA	X'28CE53DF'	
3148	01	00BFF	28CE53DF A		DATA	X'28CE53DF'	
3149	01	00C00	FFFFFFF4 A	FDL17	DATA	-12	FDL
3150	01	00C01	1EC003E0		FOL*12	MEMORY	
3151	01	00C02	0530019B N		K	0,5,3,FLPFSW	
3152	01	00C03	15300145 N		K	1,5,3,L0C+2	
3153	01	00C04	8ACE9FBD A		DATA	X'8ACE9FBD'	
3154	01	00C05	A43588CC A		DATA	X'A43588CC'	
3155	01	00C06	5A3E6E7F A		DATA	X'5A3E6E7F'	
3156	01	00C07	5A3E6E7F A		DATA	X'5A3E6E7F'	
3157	01	00C08	A13BF37D A		DATA	X'A13BF37D'	
3158	01	00C09	0C867B1A A		DATA	X'0C867B1A'	
3159	01	00C0A	28E45B17 A		DATA	X'28E45B17'	
3160	01	00C0B	28E45B17 A		DATA	X'28E45B17'	
3161	01	00C0C	FFFFFFF4 A	FDL18	DATA	-12	FDL
3162	01	00C0D	1EC003E0		FOL*12	MEMORY	
3163	01	00C0E	0530019B N		K	0,5,3,FLPFSW	
3164	01	00C0F	25300145 N		K	2,5,3,L0C+2	
3165	01	00C10	A09CD39F A		DATA	X'A09CD39F'	
3166	01	00C11	6ED3268E A		DATA	X'6ED3268E'	
3167	01	00C12	CE8C26AB A		DATA	X'CE8C26AB'	
3168	01	00C13	CE8C26AB A		DATA	X'CE8C26AB'	
3169	01	00C14	F4A017D3 A		DATA	X'F4A017D3'	
3170	01	00C15	2506D884 A		DATA	X'2506D884'	
3171	01	00C16	F67B159D A		DATA	X'F67B159D'	
3172	01	00C17	F67B159D A		DATA	X'F67B159D'	

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3173					PAGE		
3174	01	00C18	FFFFFFF4 A	FDL19	DATA	-12	FDL
3175	01	00C19	1EC003E0		FOL*12	MEMORY	
3176	01	00C1A	0530019B N		K	0,5,3,FLPFSW	
3177	01	00C1B	15300145 N		K	1,5,3,L0C+2	
3178	01	00C1C	E6E28A3D A		DATA	X'E6E28A3D'	
3179	01	00C1D	AEE180BA A		DATA	X'AEE180BA'	
3180	01	00C1E	08F7433B A		DATA	X'08F7433B'	
3181	01	00C1F	08F7433B A		DATA	X'08F7433B'	
3182	01	00C20	F7F9334E A		DATA	X'F7F9334E'	
3183	01	00C21	DFB55D0A A		DATA	X'DFB55D0A'	
3184	01	00C22	2C6071B5 A		DATA	X'2C6071B5'	
3185	01	00C23	2C6071B5 A		DATA	X'2C6071B5'	
3186	01	00C24	FFFFFFF4 A	FDL20	DATA	-12	FDL
3187	01	00C25	1EC003E0		FOL*12	MEMORY	
3188	01	00C26	0530019B N		K	0,5,3,FLPFSW	
3189	01	00C27	15300145 N		K	1,5,3,L0C+2	
3190	01	00C28	47E95A3F A		DATA	X'47E95A3F'	
3191	01	00C29	8FEF2201 A		DATA	X'8FEF2201'	
3192	01	00C2A	E6F22A4F A		DATA	X'E6F22A4F'	
3193	01	00C2B	E6F22A4F A		DATA	X'E6F22A4F'	
3194	01	00C2C	690B7C52 A		DATA	X'690B7C52'	
3195	01	00C2D	29E60A24 A		DATA	X'29E60A24'	
3196	01	00C2E	F29405E9 A		DATA	X'F29405E9'	
3197	01	00C2F	F29405E9 A		DATA	X'F29405E9'	
3198	01	00C30	FFFFFFF4 A	FDL21	DATA	-12	FDL
3199	01	00C31	1EC003E0		FOL*12	MEMORY	
3200	01	00C32	0530019B N		K	0,5,3,FLPFSW	
3201	01	00C33	15300145 N		K	1,5,3,L0C+2	
3202	01	00C34	AE58B190 A		DATA	X'AE58B190'	
3203	01	00C35	9ACB16E1 A		DATA	X'9ACB16E1'	
3204	01	00C36	2D3297C8 A		DATA	X'2D3297C8'	
3205	01	00C37	2D3297C8 A		DATA	X'2D3297C8'	
3206	01	00C38	C237DAC1 A		DATA	X'C237DAC1'	
3207	01	00C39	33AC21AA A		DATA	X'33AC21AA'	
3208	01	00C3A	77532167 A		DATA	X'77532167'	
3209	01	00C3B	77532167 A		DATA	X'77532167'	

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3210				PAGE			
3211	01	00C3C	FFFFFFFF4 A	FDL22	DATA	-12	FDL
3212	01	00C3D	1EC003E0		FDL*12	MEMORY	
3213	01	00C3E	0530019B N		K	0,5,3,FLPFSW	
3214	01	00C3F	25300145 N		K	2,5,3,L0C+2	
3215	01	00C40	E0FC7F1C A		DATA	X'E0FC7F1C'	
3216	01	00C41	59EF798F A		DATA	X'59EF798F'	
3217	01	00C42	FAC41382 A		DATA	X'FAC41382'	
3218	01	00C43	FAC41382 A		DATA	X'FAC41382'	
3219	01	00C44	253F7EA9 A		DATA	X'253F7EA9'	
3220	01	00C45	281A009F A		DATA	X'281A009F'	
3221	01	00C46	446E28CA A		DATA	X'446E28CA'	
3222	01	00C47	446E28CA A		DATA	X'446E28CA'	
3223	01	00C48	FFFFFFFF4 A	FDL23	DATA	-12	FDL
3224	01	00C49	1EC003E0		FDL*12	MEMORY	
3225	01	00C4A	0530019B N		K	0,5,3,FLPFSW	
3226	01	00C4B	25300145 N		K	2,5,3,L0C+2	
3227	01	00C4C	67B5C610 A		DATA	X'67B5C610'	
3228	01	00C4D	63199F3D A		DATA	X'63199F3D'	
3229	01	00C4E	3D7182C6 A		DATA	X'3D7182C6'	
3230	01	00C4F	3D7182C6 A		DATA	X'3D7182C6'	
3231	01	00C50	67B980C1 A		DATA	X'67B980C1'	
3232	01	00C51	E0B9AF2A A		DATA	X'E0B9AF2A'	
3233	01	00C52	135BDF7D A		DATA	X'135BDF7D'	
3234	01	00C53	135BDF7D A		DATA	X'135BDF7D'	
3235	01	00C54	FFFFFFFF4 A	FDL24	DATA	-12	FDL
3236	01	00C55	1EC003E0		FDL*12	MEMORY	
3237	01	00C56	0530019B N		K	0,5,3,FLPFSW	
3238	01	00C57	15300145 N		K	1,5,3,L0C+2	
3239	01	00C58	9BAE1805 A		DATA	X'9BAE1805'	
3240	01	00C59	80B015BC A		DATA	X'80B015BC'	
3241	01	00C5A	26106573 A		DATA	X'26106573'	
3242	01	00C5B	26106573 A		DATA	X'26106573'	
3243	01	00C5C	F1A3C842 A		DATA	X'F1A3C842'	
3244	01	00C5D	DDE7A4DB A		DATA	X'DDE7A4DB'	
3245	01	00C5E	59D73C28 A		DATA	X'59D73C28'	
3246	01	00C5F	59D73C28 A		DATA	X'59D73C28'	

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3247				PAGE			
3248	01	00C60	FFFFFFFF4 A	FDL25	DATA	-12	FDL
3249	01	00C61	1EC003E0		FDL*12	MEMORY	
3250	01	00C62	0530019B N		K	0,5,3,FLPFSW	
3251	01	00C63	15300145 N		K	1,5,3,L0C+2	
3252	01	00C64	42486CEA A		DATA	X'42486CEA'	
3253	01	00C65	AFA943B7 A		DATA	X'AFA943B7'	
3254	01	00C66	CD2A3C71 A		DATA	X'CD2A3C71'	
3255	01	00C67	CD2A3C71 A		DATA	X'CD2A3C71'	
3256	01	00C68	2C768150 A		DATA	X'2C768150'	
3257	01	00C69	1EDCF1EC A		DATA	X'1EDCF1EC'	
3258	01	00C6A	FC7CF1CC A		DATA	X'FC7CF1CC'	
3259	01	00C6B	FC7CF1CC A		DATA	X'FC7CF1CC'	
3260	01	00C6C	FFFFFFFF4 A	FDL26	DATA	-12	FDL
3261	01	00C6D	1EC003E0		FDL*12	MEMORY	
3262	01	00C6E	0530019B N		K	0,5,3,FLPFSW	
3263	01	00C6F	15300145 N		K	1,5,3,L0C+2	
3264	01	00C70	475E3AF9 A		DATA	X'475E3AF9'	
3265	01	00C71	A587C421 A		DATA	X'A587C421'	
3266	01	00C72	D1F375DB A		DATA	X'D1F375DB'	
3267	01	00C73	D1F375DB A		DATA	X'D1F375DB'	
3268	01	00C74	FEDCBA98 A		DATA	X'FEDCBA98'	
3269	01	00C75	F09C1D54 A		DATA	X'F09C1D54'	
3270	01	00C76	ECA86424 A		DATA	X'ECA86424'	
3271	01	00C77	ECA86424 A		DATA	X'ECA86424'	
3272	01	00C78	FFFFFFFF4 A	FDL27	DATA	-12	FDL
3273	01	00C79	1EC003E0		FDL*12	MEMORY	
3274	01	00C7A	0530019B N		K	0,5,3,FLPFSW	
3275	01	00C7B	25300145 N		K	2,5,3,L0C+2	
3276	01	00C7C	741EB852 A		DATA	X'741EB852'	
3277	01	00C7D	5943D862 A		DATA	X'5943D862'	
3278	01	00C7E	5B73EA65 A		DATA	X'5B73EA65'	
3279	01	00C7F	5B73EA65 A		DATA	X'5B73EA65'	
3280	01	00C80	D37531FD A		DATA	X'D37531FD'	
3281	01	00C81	0A1757C5 A		DATA	X'0A1757C5'	
3282	01	00C82	FC9630DA A		DATA	X'FC9630DA'	
3283	01	00C83	FC9630DA A		DATA	X'FC9630DA'	

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3284				PAGE		
3285	01	00C84	FFFFFFFF A	FDL28	DATA	-12
3286	01	00C85	1EC003E0		FDL*12	MEMORY
3287	01	00C86	0530019B N		K	0,5,3,FLPFSW
3288	01	00C87	25300145 N		K	2,5,3,LBC+2
3289	01	00C88	D897531E A		DATA	X'D897531E'
3290	01	00C89	52131DEC A		DATA	X'52131DEC'
3291	01	00C8A	ECAB642F A		DATA	X'ECAB642F'
3292	01	00C8B	ECAB642F A		DATA	X'ECAB642F'
3293	01	00C8C	50B61C72 A		DATA	X'50B61C72'
3294	01	00C8D	B48A4230 A		DATA	X'B48A4230'
3295	01	00C8E	D83EA62E A		DATA	X'D83EA62E'
3296	01	00C8F	D83EA62E A		DATA	X'D83EA62E'
3297	01	00C90	FFFFFFFF A	FDL29	DATA	-12
3298	01	00C91	1EC003E0		FDL*12	MEMORY
3299	01	00C92	0530019B N		K	0,5,3,FLPFSW
3300	01	00C93	25300145 N		K	2,5,3,LBC+2
3301	01	00C94	B73FB841 A		DATA	X'B73FB841'
3302	01	00C95	261171FB A		DATA	X'261171FB'
3303	01	00C96	9C4FA62E A		DATA	X'9C4FA62E'
3304	01	00C97	9C4FA62E A		DATA	X'9C4FA62E'
3305	01	00C98	F93EA754 A		DATA	X'F93EA754'
3306	01	00C99	930C7B5B A		DATA	X'930C7B5B'
3307	01	00C9A	94E9520F A		DATA	X'94E9520F'
3308	01	00C9B	94E9520F A		DATA	X'94E9520F'
3309	01	00C9C	FFFFFFFF A	FDL30	DATA	-12
3310	01	00C9D	1EC003E0		FDL*12	MEMORY
3311	01	00C9E	0530019B N		K	0,5,3,FLPFSW
3312	01	00C9F	15300145 N		K	1,5,3,LBC+2
3313	01	00CA0	FDB5EC82 A		DATA	X'FDB5EC82'
3314	01	00CA1	CC80D4A9 A		DATA	X'CC80D4A9'
3315	01	00CA2	0F951EBA A		DATA	X'0F951EBA'
3316	01	00CA3	0F951EBA A		DATA	X'0F951EBA'
3317	01	00CA4	F7E6E3A5 A		DATA	X'F7E6E3A5'
3318	01	00CA5	DEEFCAAB A		DATA	X'DEEFCAAB'
3319	01	00CA6	DBF9ECAB A		DATA	X'DBF9ECAB'
3320	01	00CA7	DBF9ECAB A		DATA	X'DBF9ECAB'

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3321				PAGE		
3322	01	00CAB	FFFFFFFF A	FDL31	DATA	-12
3323	01	00CA9	1EC003E0		FDL*12	MEMORY
3324	01	00CAA	0530019B N		K	0,5,3,FLPFSW
3325	01	00CAB	15300145 N		K	1,5,3,LBC+2
3326	01	00CAC	61B54E82 A		DATA	X'61B54E82'
3327	01	00CAD	860EA2A6 A		DATA	X'860EA2A6'
3328	01	00CAE	D73FB31A A		DATA	X'D73FB31A'
3329	01	00CAF	D73FB31A A		DATA	X'D73FB31A'
3330	01	00CB0	E462C8EF A		DATA	X'E462C8EF'
3331	01	00CB1	4ED320B9 A		DATA	X'4ED320B9'
3332	01	00CB2	F93DC90A A		DATA	X'F93DC90A'
3333	01	00CB3	F93DC90A A		DATA	X'F93DC90A'
3334	01	00CB4	FFFFFFFF A	FDL32	DATA	-12
3335	01	00CB5	1EC003E0		FDL*12	MEMORY
3336	01	00CB6	0530019B N		K	0,5,3,FLPFSW
3337	01	00CB7	15300145 N		K	1,5,3,LBC+2
3338	01	00CB8	3D710AF4 A		DATA	X'3D710AF4'
3339	01	00CB9	A859F464 A		DATA	X'A859F464'
3340	01	00CBA	D951B76F A		DATA	X'D951B76F'
3341	01	00CBB	D951B76F A		DATA	X'D951B76F'
3342	01	00CBC	B3B47F87 A		DATA	X'B3B47F87'
3343	01	00CBD	285BD4C3 A		DATA	X'285BD4C3'
3344	01	00CBE	D3A28E6E A		DATA	X'D3A28E6E'
3345	01	00CBF	D3A28E6E A		DATA	X'D3A28E6E'
3346	01	00CC0	FFFFFFFF A	FDL33	DATA	-12
3347	01	00CC1	1EC003E0		FDL*12	MEMORY
3348	01	00CC2	0530019B N		K	0,5,3,FLPFSW
3349	01	00CC3	15300145 N		K	1,5,3,LBC+2
3350	01	00CC4	511706C2 A		DATA	X'511706C2'
3351	01	00CC5	89B2D1F5 A		DATA	X'89B2D1F5'
3352	01	00CC6	E4B39F7F A		DATA	X'E4B39F7F'
3353	01	00CC7	E4B39F7F A		DATA	X'E4B39F7F'
3354	01	00CC8	F3A59E74 A		DATA	X'F3A59E74'
3355	01	00CC9	9D499C22 A		DATA	X'9D499C22'
3356	01	00CCA	F4A22F6E A		DATA	X'F4A22F6E'
3357	01	00CCB	F4A22F6E A		DATA	X'F4A22F6E'

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3358				PAGE		
3359	01	00CCC	FFFFFFF4 A	FDL34	DATA	-12
3360	01	00CCD	1EC003E0		FDL*12	MEMORY
3361	01	00CCE	05300198 N		K	0,5,3,FLPFSW
3362	01	00CCF	15300145 N		K	1,5,3,LBC+2
3363	01	00CDD	9E50492F A		DATA	X'9E50492F'
3364	01	00CDI	831EBC8D A		DATA	X'831EBC8D'
3365	01	00CD2	25C78096 A		DATA	X'25C78096'
3366	01	00CD3	25C78096 A		DATA	X'25C78096'
3367	01	00CD4	8C7923D2 A		DATA	X'8C7923D2'
3368	01	00CD5	6E577A38 A		DATA	X'6E577A38'
3369	01	00CD6	091B85EA A		DATA	X'091B85EA'
3370	01	00CD7	091B85EA A		DATA	X'091B85EA'
3371	01	00CD8	FFFFFFF4 A	FDL35	DATA	-12
3372	01	00CD9	1EC003E0		FDL*12	MEMORY
3373	01	00CDA	05300198 N		K	0,5,3,FLPFSW
3374	01	00CDB	25300145 N		K	2,5,3,LBC+2
3375	01	00CDC	43123577 A		DATA	X'43123577'
3376	01	00CDD	671AE000 A		DATA	X'671AE000'
3377	01	00CDE	1CAD732C A		DATA	X'1CAD732C'
3378	01	00CDF	1CAD732C A		DATA	X'1CAD732C'
3379	01	00CE0	C1F7CF0E A		DATA	X'C1F7CF0E'
3380	01	00CE1	B8CF5F8F A		DATA	X'B8CF5F8F'
3381	01	00CE2	28314CAF A		DATA	X'28314CAF'
3382	01	00CE3	28314CAF A		DATA	X'28314CAF'
3383	01	00CE4	FFFFFFF4 A	FDL36	DATA	-12
3384	01	00CE5	1EC003E0		FDL*12	MEMORY
3385	01	00CE6	05300198 N		K	0,5,3,FLPFSW
3386	01	00CE7	25300145 N		K	2,5,3,LBC+2
3387	01	00CE8	ACB2E644 A		DATA	X'ACB2E644'
3388	01	00CE9	6F533A84 A		DATA	X'6F533A84'
3389	01	00CEA	DAE7F352 A		DATA	X'DAE7F352'
3390	01	00CEB	DAE7F352 A		DATA	X'DAE7F352'
3391	01	00CEC	6C2817D3 A		DATA	X'6C2817D3'
3392	01	00CED	67B7912D A		DATA	X'67B7912D'
3393	01	00CEE	016CB576 A		DATA	X'016CB576'
3394	01	00CEF	016CB576 A		DATA	X'016CB576'

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3395				PAGE		
3396	01	00CF0	FFFFFFF4 A	FDL37	DATA	-12
3397	01	00CF1	1EC003E0		FDL*12	MEMORY
3398	01	00CF2	05300198 N		K	0,5,3,FLPFSW
3399	01	00CF3	15300145 N		K	1,5,3,LBC+2
3400	01	00CF4	D7FDB531 A		DATA	X'D7FDB531'
3401	01	00CF5	B3BBD2FF A		DATA	X'B3BBD2FF'
3402	01	00CF6	1C089B76 A		DATA	X'1C089B76'
3403	01	00CF7	1C089B76 A		DATA	X'1C089B76'
3404	01	00CF8	37560162 A		DATA	X'37560162'
3405	01	00CF9	22F5CAF0 A		DATA	X'22F5CAF0'
3406	01	00CFA	50B1EAB9 A		DATA	X'50B1EAB9'
3407	01	00CFB	50B1EAB9 A		DATA	X'50B1EAB9'
3408	01	00CFC	FFFFFFF4 A	FDL38	DATA	-12
3409	01	00CFD	1EC003E0		FDL*12	MEMORY
3410	01	00CFE	05300198 N		K	0,5,3,FLPFSW
3411	01	00CFE	15300145 N		K	1,5,3,LBC+2
3412	01	00D00	B2C379D5 A		DATA	X'B2C379D5'
3413	01	00D01	969181AF A		DATA	X'969181AF'
3414	01	00D02	248C3A1F A		DATA	X'248C3A1F'
3415	01	00D03	248C3A1F A		DATA	X'248C3A1F'
3416	01	00D04	AEC68424 A		DATA	X'AEC68424'
3417	01	00D05	0820E9D3 A		DATA	X'0820E9D3'
3418	01	00D06	173CA2DC A		DATA	X'173CA2DC'
3419	01	00D07	173CA2DC A		DATA	X'173CA2DC'
3420	01	00D08	FFFFFFF4 A	FDL39	DATA	-12
3421	01	00D09	1EC003E0		FDL*12	MEMORY
3422	01	00D0A	05300198 N		K	0,5,3,FLPFSW
3423	01	00D0B	15300145 N		K	1,5,3,LBC+2
3424	01	00D0C	9FA3E574 A		DATA	X'9FA3E574'
3425	01	00D0D	B9CA3A2D A		DATA	X'B9CA3A2D'
3426	01	00D0E	5B1B67C2 A		DATA	X'5B1B67C2'
3427	01	00D0F	5B1B67C2 A		DATA	X'5B1B67C2'
3428	01	00D10	239CD278 A		DATA	X'239CD278'
3429	01	00D11	1A33BA89 A		DATA	X'1A33BA89'
3430	01	00D12	B0573F1D A		DATA	X'B0573F1D'
3431	01	00D13	B0573F1D A		DATA	X'B0573F1D'

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3432				PAGE		
3433	01	00D14	FFFFFFF4 A	FDL#0	DATA	-12
3434	01	00D15	1EC003E0		FDS#12	MEMORY
3435	01	00D16	0530019B N		K	0,5,3,FLPFSW
3436	01	00D17	25300145 N		K	2,5,3,LBC+2
3437	01	00D18	C3DC27A1 A		DATA	X'C3DC27A1'
3438	01	00D19	7927A9B8 A		DATA	X'7927A9B8'
3439	01	00D1A	FC18A432 A		DATA	X'FC18A432'
3440	01	00D1B	FC18A432 A		DATA	X'FC18A432'
3441	01	00D1C	462C4E8A A		DATA	X'462C4E8A'
3442	01	00D1D	A821951D A		DATA	X'A821951D'
3443	01	00D1E	EF710CFC A		DATA	X'EF710CFC'
3444	01	00D1F	EF710CFC A		DATA	X'EF710CFC'

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3445				PAGE		
3446	01	00D20	FFFFFFF4 A	FDS01	DATA	-12
3447	01	00D21	3EC003E0		FDS#12	MEMORY
3448	01	00D22	0530019B N		K	0,5,3,FLPFSW
3449	01	00D23	25300145 N		K	2,5,3,LBC+2
3450	01	00D24	235FA631 A		DATA	X'235FA631'
3451	01	00D25	4EBF854C A		DATA	X'4EBF854C'
3452	01	00D26	1DAA9C62 A		DATA	X'1DAA9C62'
3453	01	00D27	1DAA9C62 A		DATA	X'1DAA9C62'
3454	01	00D28	00000000 A		DATA	X'0'
3455	01	00D29	00000000 A		DATA	X'0'
3456	01	00D2A	00000000 A		DATA	X'0'
3457	01	00D2B	00000000 A		DATA	X'0'
3458	01	00D2C	FFFFFFF4 A	FDS02	DATA	-12
3459	01	00D2D	3EC003E0		FDS#12	MEMORY
3460	01	00D2E	0530019B N		K	0,5,3,FLPFSW
3461	01	00D2F	25300145 N		K	2,5,3,LBC+2
3462	01	00D30	4C008351 A		DATA	X'4C008351'
3463	01	00D31	52123BCF A		DATA	X'52123BCF'
3464	01	00D32	33007A40 A		DATA	X'33007A40'
3465	01	00D33	33007A40 A		DATA	X'33007A40'
3466	01	00D34	00000000 A		DATA	X'0'
3467	01	00D35	00000000 A		DATA	X'0'
3468	01	00D36	00000000 A		DATA	X'0'
3469	01	00D37	00000000 A		DATA	X'0'
3470	01	00D38	FFFFFFF4 A	FDS03	DATA	-12
3471	01	00D39	3EC003E0		FDS#12	MEMORY
3472	01	00D3A	0530019B N		K	0,5,3,FLPFSW
3473	01	00D3B	15300145 N		K	1,5,3,LBC+2
3474	01	00D3C	6E0000D7 A		DATA	X'6E0000D7'
3475	01	00D3D	B6E8C1BB A		DATA	X'B6E8C1BB'
3476	01	00D3E	99FFFF6C A		DATA	X'99FFFF6C'
3477	01	00D3F	99FFFF6C A		DATA	X'99FFFF6C'
3478	01	00D40	00000000 A		DATA	X'0'
3479	01	00D41	00000000 A		DATA	X'0'
3480	01	00D42	00000000 A		DATA	X'0'
3481	01	00D43	00000000 A		DATA	X'0'

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3482					PAGE		
3483	01	00D44	FFFFFFFF4 A	FDS04	DATA	-12	FDS
3484	01	00D45	3EC003E0		FDS,12	MEMORY	
3485	01	00D46	0530019B N		K	0,5,3,FLPFSW	
3486	01	00D47	25300145 N		K	2,5,3,L0C+2	
3487	01	00D48	F1324034 A		DATA	X'F1324034'	
3488	01	00D49	341C084F A		DATA	X'341C084F'	
3489	01	00D4A	E48DDF82 A		DATA	X'E48DDF82'	
3490	01	00D43	E48DDF82 A		DATA	X'E48DDF82'	
3491	01	00D4C	00000000 A		DATA	X'0'	
3492	01	00D4D	00000000 A		DATA	X'0'	
3493	01	00D4E	00000000 A		DATA	X'0'	
3494	01	00D4F	00000000 A		DATA	X'0'	
3495	01	00D50	FFFFFFFF4 A	FDS05	DATA	-12	FDS
3496	01	00D51	3EC003E0		FDS,12	MEMORY	
3497	01	00D52	0530019B N		K	0,5,3,FLPFSW	
3498	01	00D53	15300145 N		K	1,5,3,L0C+2	
3499	01	00D54	136AF5B2 A		DATA	X'136AF5B2'	
3500	01	00D55	B891CFBF A		DATA	X'B891CFBF'	
3501	01	00D56	F3078058 A		DATA	X'F3078058'	
3502	01	00D57	F3078058 A		DATA	X'F3078058'	
3503	01	00D58	00000000 A		DATA	X'0'	
3504	01	00D59	00000000 A		DATA	X'0'	
3505	01	00D5A	00000000 A		DATA	X'0'	
3506	01	00D5B	00000000 A		DATA	X'0'	
3507	01	00D5C	FFFFFFFF4 A	FDS06	DATA	-12	FDS
3508	01	00D5D	3EC003E0		FDS,12	MEMORY	
3509	01	00D5E	0530019B N		K	0,5,3,FLPFSW	
3510	01	00D5F	25300145 N		K	2,5,3,L0C+2	
3511	01	00D60	15B897C4 A		DATA	X'15B897C4'	
3512	01	00D61	5211A4A6 A		DATA	X'5211A4A6'	
3513	01	00D62	04A766B3 A		DATA	X'04A766B3'	
3514	01	00D63	04A766B3 A		DATA	X'04A766B3'	
3515	01	00D64	00000000 A		DATA	X'0'	
3516	01	00D65	00000000 A		DATA	X'0'	
3517	01	00D66	00000000 A		DATA	X'0'	
3518	01	00D67	00000000 A		DATA	X'0'	

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3519					PAGE		
3520	01	00D68	FFFFFFFF4 A	FDS07	DATA	-12	FDS
3521	01	00D69	3EC003E0		FDS,12	MEMORY	
3522	01	00D6A	0530019B N		K	0,5,3,FLPFSW	
3523	01	00D6B	25300145 N		K	2,5,3,L0C+2	
3524	01	00D6C	370A99E6 A		DATA	X'370A99E6'	
3525	01	00D6D	1EFDEEB0 A		DATA	X'1EFDEEB0'	
3526	01	00D6E	5A0DC619 A		DATA	X'5A0DC619'	
3527	01	00D6F	5A0DC619 A		DATA	X'5A0DC619'	
3528	01	00D70	00000000 A		DATA	X'0'	
3529	01	00D71	00000000 A		DATA	X'0'	
3530	01	00D72	00000000 A		DATA	X'0'	
3531	01	00D73	00000000 A		DATA	X'0'	
3532	01	00D74	FFFFFFFF4 A	FDS08	DATA	-12	FDS
3533	01	00D75	3EC003E0		FDS,12	MEMORY	
3534	01	00D76	0530019B N		K	0,5,3,FLPFSW	
3535	01	00D77	25300145 N		K	2,5,3,L0C+2	
3536	01	00D78	2BFDD84E A		DATA	X'2BFDD84E'	
3537	01	00D79	4F7F4226 A		DATA	X'4F7F4226'	
3538	01	00D7A	1A1FEA60 A		DATA	X'1A1FEA60'	
3539	01	00D7B	1A1FEA60 A		DATA	X'1A1FEA60'	
3540	01	00D7C	00000000 A		DATA	X'0'	
3541	01	00D7D	00000000 A		DATA	X'0'	
3542	01	00D7E	00000000 A		DATA	X'0'	
3543	01	00D7F	00000000 A		DATA	X'0'	
3544	01	00D80	FFFFFFFF4 A	FDS09	DATA	-12	FDS
3545	01	00D81	3EC003E0		FDS,12	MEMORY	
3546	01	00D82	0530019B N		K	0,5,3,FLPFSW	
3547	01	00D83	15300145 N		K	1,5,3,L0C+2	
3548	01	00D84	8508753F A		DATA	X'8508753F'	
3549	01	00D85	86E514A4 A		DATA	X'86E514A4'	
3550	01	00D86	43093218 A		DATA	X'43093218'	
3551	01	00D87	43093218 A		DATA	X'43093218'	
3552	01	00D88	00000000 A		DATA	X'0'	
3553	01	00D89	00000000 A		DATA	X'0'	
3554	01	00D8A	00000000 A		DATA	X'0'	
3555	01	00D83	00000000 A		DATA	X'0'	

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3556				PAGE		
3557	01	00D8C	FFFFFFF4 A	FDS10	DATA	-12
3558	01	00D8D	3ED003E0		FDS#12	MEMBRY+1
3559	01	00D8E	0530019B N		K	0,5,3,FLPFSW
3560	01	00D8F	25300145 N		K	2,5,3,LBC+2
3561	01	00D90	545F8073 A		DATA	X'585F8073'
3562	01	00D91	6525F675 A		DATA	X'6525F675'
3563	01	00D92	34284031 A		DATA	X'34284031'
3564	01	00D93	34284031 A		DATA	X'34284031'
3565	01	00D94	00000000 A		DATA	X'0'
3566	01	00D95	00000000 A		DATA	X'0'
3567	01	00D96	00000000 A		DATA	X'0'
3568	01	00D97	00000000 A		DATA	X'0'
3569	01	00D98	FFFFFFF4 A	FDS11	DATA	-12
3570	01	00D99	3ED003E1		FDS#13	MEMBRY+1
3571	01	00D9A	0530019B N		K	0,5,3,FLPFSW
3572	01	00D9B	15300145 N		K	1,5,3,LBC+2
3573	01	00D9C	00000000 A		DATA	X'0'
3574	01	00D9D	00000000 A		DATA	X'0'
3575	01	00D9E	00000000 A		DATA	X'0'
3576	01	00D9F	00000000 A		DATA	X'0'
3577	01	00DA0	49068CAB A		DATA	X'49068CAB'
3578	01	00DA1	C470BA88 A		DATA	X'C470BA88'
3579	01	00DA2	B1F3F65A A		DATA	X'B1F3F65A'
3580	01	00DA3	B1F3F65A A		DATA	X'B1F3F65A'
3581	01	00DA4	FFFFFFF4 A	FDS12	DATA	-12
3582	01	00DA5	3ED003E1		FDS#13	MEMBRY+1
3583	01	00DA6	0530019B N		K	0,5,3,FLPFSW
3584	01	00DA7	15300145 N		K	1,5,3,LBC+2
3585	01	00DA8	00000000 A		DATA	X'0'
3586	01	00DA9	00000000 A		DATA	X'0'
3587	01	00DAA	00000000 A		DATA	X'0'
3588	01	00DAB	00000000 A		DATA	X'0'
3589	01	00DAC	9CFF53F A		DATA	X'9CFF53F'
3590	01	00DAD	A50575DB A		DATA	X'A50575DB'
3591	01	00DAE	49000AFD A		DATA	X'49000AFD'
3592	01	00DAF	49000AFD A		DATA	X'49000AFD'

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3593				PAGE		
3594	01	00DB0	FFFFFFF4 A	FDS13	DATA	-12
3595	01	00DB1	3ED003E1		FDS#13	MEMBRY+1
3596	01	00DB2	0530019B N		K	0,5,3,FLPFSW
3597	01	00DB3	25300145 N		K	2,5,3,LBC+2
3598	01	00DB4	00000000 A		DATA	X'0'
3599	01	00DB5	00000000 A		DATA	X'0'
3600	01	00DB6	00000000 A		DATA	X'0'
3601	01	00DB7	00000000 A		DATA	X'0'
3602	01	00DB8	80FFFFFF5 A		DATA	X'80FFFFFF5'
3603	01	00DB9	54160000 A		DATA	X'54160000'
3604	01	00DBA	93FFFFFF8 A		DATA	X'93FFFFFF8'
3605	01	00DBB	93FFFFFF8 A		DATA	X'93FFFFFF8'
3606	01	00DBC	FFFFFFF4 A	FDS14	DATA	-12
3607	01	00DBD	3ED003E1		FDS#13	MEMBRY+1
3608	01	00DBE	0530019B N		K	0,5,3,FLPFSW
3609	01	00DBF	15300145 N		K	1,5,3,LBC+2
3610	01	00DC0	00000000 A		DATA	X'0'
3611	01	00DC1	00000000 A		DATA	X'0'
3612	01	00DC2	00000000 A		DATA	X'0'
3613	01	00DC3	00000000 A		DATA	X'0'
3614	01	00DC4	AC67F6A8 A		DATA	X'AC67F6A8'
3615	01	00DC5	83DCFE0F A		DATA	X'83DCFE0F'
3616	01	00DC6	18457CC1 A		DATA	X'18457CC1'
3617	01	00DC7	18457CC1 A		DATA	X'18457CC1'
3618	01	00DC8	FFFFFFF4 A	FDS15	DATA	-12
3619	01	00DC9	3ED003E1		FDS#13	MEMBRY+1
3620	01	00DCA	0530019B N		K	0,5,3,FLPFSW
3621	01	00DCB	25300145 N		K	2,5,3,LBC+2
3622	01	00DCC	00000000 A		DATA	X'0'
3623	01	00DCD	00000000 A		DATA	X'0'
3624	01	00DCE	00000000 A		DATA	X'0'
3625	01	00DCF	00000000 A		DATA	X'0'
3626	01	00DD0	72963D9E A		DATA	X'72963D9E'
3627	01	00DD1	522C3ED1 A		DATA	X'522C3ED1'
3628	01	00DD2	6136547A A		DATA	X'6136547A'
3629	01	00DD3	6136547A A		DATA	X'6136547A'

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3630					PAGE		
3631	01	00DD4	FFFFFFFF4 A	FDS16	DATA	-12	FDS
3632	01	00DD5	3ED003E1		FDS,13	MEMORY+1	
3633	01	00DD6	0530019B N		K	0,5,3,FLPFSW	
3634	01	00DD7	25300145 N		K	2,5,3,L0C+2	
3635	01	00DD8	00000000 A		DATA	X'0'	
3636	01	00DD9	00000000 A		DATA	X'0'	
3637	01	00DDA	00000000 A		DATA	X'0'	
3638	01	00DDB	00000000 A		DATA	X'0'	
3639	01	00DDC	8D8E2FD4 A		DATA	X'8D8E2FD4'	
3640	01	00DDD	63130515 A		DATA	X'63130515'	
3641	01	00DDE	AFAD41E6 A		DATA	X'AFAD41E6'	
3642	01	00DDF	AFA041E6 A		DATA	X'AFA041E6'	
3643	01	00DE0	FFFFFFFF4 A	FDS17	DATA	-12	FDS
3644	01	00DE1	3ED003E1		FDS,13	MEMORY+1	
3645	01	00DE2	0530019B N		K	0,5,3,FLPFSW	
3646	01	00DE3	25300145 N		K	2,5,3,L0C+2	
3647	01	00DE4	00000000 A		DATA	X'0'	
3648	01	00DE5	00000000 A		DATA	X'0'	
3649	01	00DE6	00000000 A		DATA	X'0'	
3650	01	00DE7	00000000 A		DATA	X'0'	
3651	01	00DE8	67284031 A		DATA	X'67284031'	
3652	01	00DE9	4F29F8D2 A		DATA	X'4F29F8D2'	
3653	01	00DEA	58F58073 A		DATA	X'58F58073'	
3654	01	00DEB	58F58073 A		DATA	X'58F58073'	
3655	01	00DEC	FFFFFFFF4 A	FDS18	DATA	-12	FDS
3656	01	00DED	3ED003E1		FDS,13	MEMORY+1	
3657	01	00DEE	0530019B N		K	0,5,3,FLPFSW	
3658	01	00DEF	25300145 N		K	2,5,3,L0C+2	
3659	01	00DF0	00000000 A		DATA	X'0'	
3660	01	00DF1	00000000 A		DATA	X'0'	
3661	01	00DF2	00000000 A		DATA	X'0'	
3662	01	00DF3	00000000 A		DATA	X'0'	
3663	01	00DF4	8132F65A A		DATA	X'8132F65A'	
3664	01	00DF5	6215442B A		DATA	X'6215442B'	
3665	01	00DF6	D265BCA9 A		DATA	X'D265BCA9'	
3666	01	00DF7	D265BCA9 A		DATA	X'D265BCA9'	

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3667					PAGE		
3668	01	00DF8	FFFFFFFF4 A	FDS19	DATA	-12	FDS
3669	01	00DF9	3ED003E1		FDS,13	MEMORY+1	
3670	01	00DFA	0530019B N		K	0,5,3,FLPFSW	
3671	01	00DFB	15300145 N		K	1,5,3,L0C+2	
3672	01	00DFC	00000000 A		DATA	X'0'	
3673	01	00DFD	00000000 A		DATA	X'0'	
3674	01	00DFE	00000000 A		DATA	X'0'	
3675	01	00DFE	00000000 A		DATA	X'0'	
3676	01	00E00	49A80AFD A		DATA	X'49A80AFD'	
3677	01	00E01	A5C8949E A		DATA	X'A5C8949E'	
3678	01	00E02	CFCF7C1C A		DATA	X'CFCF7C1C'	
3679	01	00E03	CFCF7C1C A		DATA	X'CFCF7C1C'	
3680	01	00E04	FFFFFFFF4 A	FDS20	DATA	-12	FDS
3681	01	00E05	3ED003E1		FDS,13	MEMORY+1	
3682	01	00E06	0530019B N		K	0,5,3,FLPFSW	
3683	01	00E07	15300145 N		K	1,5,3,L0C+2	
3684	01	00E08	00000000 A		DATA	X'0'	
3685	01	00E09	00000000 A		DATA	X'0'	
3686	01	00E0A	00000000 A		DATA	X'0'	
3687	01	00E0B	00000000 A		DATA	X'0'	
3688	01	00E0C	81659CC1 A		DATA	X'81659CC1'	
3689	01	00E0D	83E83D24 A		DATA	X'83E83D24'	
3690	01	00E0E	4367F5A8 A		DATA	X'4367F5A8'	
3691	01	00E0F	4367F5A8 A		DATA	X'4367F5A8'	
3692	01	00E10	00000000 A		DATA	X'0'	
3693		01 00270			END	SETRPLY	

APPENDIX A

This appendix contains a detailed flow chart and listing of the dual-purpose loader.

SIGMA 5/7 CPU DIAGNOSTIC LOADER
PAGE
SYSTEM SIG7P

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- * THIS P9JR CARD LOADER HAS A DUAL PURPOSE.
- * NORMALLY IT WILL LOAD A PROGRAM BY USING DATA CHAINING TO POSITION
- * THE DATA ON EACH CARD INTO THE PROPER MEMORY LOCATIONS. CARDS 2,3 AND
- * 4 OF THE LOADER ARE IGNORED.
- * IF THE FIRST CARD IS BYPASSED, THE FOLLOWING THREE LOADER CARDS WILL
- * READ EACH DATA CARD INTO A COMMON AREA, PERFORM A CHECKSUM AND THEN
- * RELOCATE THE DATA TO THE SPECIFIED MEMORY LOCATIONS

SIGMA 5/7 CPU DIAGNOSTIC LOADER
PAGE

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12
13
14
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- * THE FOLLOWING DETAILS OPERATOR ACTION AND PROGRAM FLOW FOR EACH MODE.
- *
* NORMAL LOAD:
 1. CPU RESET
 2. SET THE UNIT ADDRESS SWITCHES TO SELECT THE INPUT
DEVICE ADDRESS.
 3. DEPRESS LOAD.
 4. PLACE THE COMPUTE SWITCH TO RUN.


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88                                     PAGE
89                                     * CHECKSUM LOAD:
90                                     *
91                                     * 1. CPU RESET
92                                     * 2. SET UNIT ADDRESS SWITCHES
93                                     * 3. DEPRESS LOAD
94                                     * 4. SINGLE STEP THREE TIMES CAUSING THE FIRST CARD
95                                     *    TO BE READ.
96                                     * 5. CPU RESET
97                                     * 6. COMPJTE SWITCH TO RUN.
98                                     *
99                                     *
100                                    I-----I
101                                    I THE SECOND LOADER CARD WAS READ I
102                                    I INTO LACS 2A-3F. IT IN TURN I
103                                    I LOADS THE THIRD AND FOURTH CARDS I
104                                    I INTO THE LAST PART OF THE FIRST I
105                                    I BK OF MEMORY. I
106                                    I USE THE COMMENTS ON THE LISTING I
107                                    I FOR CARDS 3 AND 4 TO DETERMINE I
108                                    I THE FLOW OF OPERATION I
109                                    I-----I

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108                                     PAGE
109                                     *
110                                     *
111                                     *
112                                     *
113                                     *
114                                     *
115                                     *
116                                     *
117                                     *
118                                     *
119                                     *
120                                     *
121                                     *
122                                     *

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*** CARD 1 ***

Line	Card	Address	Operation	Label	Value	Comment
110	01	0002A	ORG		X'2A'	
111	01	0002A	BEGIN	LW0	ADDR	
112	01	0002B		B	X'27'	BRANCH TO S19
113	01	0002C	ADDR	GEN,32	DA(DBLD1)	
114	01	0002D		DATA	0	
115	01	0002E	DBLWD1	GEN,8,24	X'02',RA(DBLWD3)+1	COMMAND DBJ3,EW9RD
116	01	0002F		DATA	X'8000003'	DATA CHAIN
117	01	00030	DBLWD2	GEN,8,24	X'02',RA(DBLWD3)+7	COMMAND DBJ3,EW9RD
118	01	00031		DATA	X'8000001'	DATA CHAIN
119	01	00032	DBLWD3	DATA	X'02000000'	COMMAND DBJ3,EW9RD
120	01	00033		DATA	X'80000000'	DATA CHAIN
121	01	00034	DBLWD4	DATA	X'02000000'	COMMAND DBJ3,EW9RD
122	01	00035		DATA	X'80000000'	

SIGMA 5/7 CPU DIAGNOSTIC LOADER

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123				PAGE		
124	01 0002A			BRG	X'12A'	CARD 2 *****
	01 0002A					
125	01 0002A	20010068 A		AI,0	X'10068'	DUMMY INSTRUCTION ALLOWS THIS CARD TO START LOADING INTO LBC 40 WHEN USING NORMAL LOAD.
126			*			
127			*			
128	01 0002B	2200001A A		LI,0	X'11A'	
129	01 0002C	CC000025 A		SI9,0	*X'25'	READ CARD 3
130	01 0002D	CC000025 A		TI9,0	*X'25'	
131	01 0002E	69C0002D		BCS,12	\$=1	
132	01 0002F	22000013 A		LI,0	X'113'	
133	01 00030	CC000025 A		SI9,0	*X'25'	READ CARD 4
134	01 00031	CC000025 A		TI9,0	*X'25'	
135	01 00032	69C00031		BCS,12	\$=1	
136	01 00033	69C01FC5 A		B	X'11FC5'	BRANCH TO CARD 3
137	01 00034	C2007F10 A		DATA	X'02007F10'	CDW FOR CARD 3
138	01 00035	0C000078 A		DATA	X'0C000078'	
139	01 00036	C2007F88 A		DATA	X'02007F88'	CDW FOR CARD 4
140	01 00037	0C000078 A		DATA	X'0C000078'	

SIGMA 5/7 CPU DIAGNOSTIC LOADER

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141				PAGE		
142	01 01FC4			BRG	X'11FC4'	CARD 3 *****
	01 01FC4					
143	01 01FC4	80010068 A		DATA	X'00010068'	ALLOWS NORMAL LOADER TO BYPASS THIS CARD.
144			*			
145	01 01FC5	2F000000 A		LI,0	0	
146	01 01FC6	3F001FFA		STW,0	TOTALSUM	INITIALIZE DECK CHECK SUM
147	01 01FC7	3F000025 A		LW,0	X'125'	
148	01 01FC8	3F000011 A		STW,0	X'111'	MOVE DEVICE ADDR OUT OF BUFFER AREA
149	01 01FC9	20000FFF N	READ	LI,0	DA(READ:BRD)	
150	01 01FCA	CC000011 A		SI9,0	*X'111'	READ INTO X'122' THRU X'13F'
151	01 01FCB	CC000011 A		TI9,0	*X'111'	
152	01 01FCC	69C01FCB		BCS,12	\$=1	
153	01 01FCD	2010072F A		LW,1	X'122'	
154	01 01FCE	40101FFF		AND,1	X00T03	
155	01 01FCF	31101FFC		CV,1	C9DE1	LOOK AT CODE IN 1ST HEX CHAR OF CARD NBT CODE FOR DATA CARD
156	01 01FD0	69C01FEC		BNE	ENDTEST	
157	01 01FD1	221FFFFF A		LI,1	-25	
158	01 01FD2	222FFFFF A		LI,2	-1	
159	01 01FD3	3120003F A		CV,2	X'13F'	
160	01 01FD4	69C01FDD		BE	MBVETEST	IGNORE CHECKSUM IF ALL ONES ON CARD
161	01 01FD5	22200000 A		LI,2	0	
162	01 01FD6	3020003F A		AND,2	X'12F,1	COMPUTE CHECKSUM
163	01 01FD7	69C01FDE		BIR,1	\$=1	
164	01 01FD8	3120003F A		CV,2	X'13F'	COMPARE WITH CHECKSUM ON CARD
165	01 01FD9	69C01FDF		BNE	\$	HANG UP IF CHECKSUM ERROR
166	01 01FDA	30301FFA		LW,3	TOTALSUM	
167	01 01FDB	30300002 A		AND,3	2	ADD TO CHECKSUM FOR WHOLE DECK
168	01 01FDC	35301FFA		STW,3	TOTALSUM	
169	01 01FDD	3210003E A	MBVETEST	LW,1	X'12E'	PICK UP LOAD ADDRESS
170	01 01FDE	3A20003D A		LCW,2	X'13D'	PICK UP WORD COUNT
171	01 01FDF	2110004C A		CV,1	X'140'	
172	01 01FE0	69C01FEC		B	\$	HANG UP IF LOADING OVER BUFFER AREA
173	01 01FE1	69C01FEB		B	CARD3	

SIGMA 5/7 CPU DIAGNOSTIC LOADER
PAGE

9

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174
175
176
177 01 01FE2 80010068 A * DATA X'80010068'
178 *
179 01 01FE3 3010003D A * CARDS3 A#1 X'3D'
180 01 01FE4 21101FC5 A CI#1 X'1FC5'
181 01 01FE5 68101FE5 BGE $
182 01 01FE6 22300023 A LI#3 X'23'
183 01 01FE7 3030003D A A#3 X'3D'
184 01 01FE8 82440003 A LW#4 *3#2
185 01 01FE9 85440001 A STW#4 *1#2
186 01 01FEA 65201FER BIR#2 $#2
187 01 01FEB 68001FC9 B READ
188 01 01FEC 31101FFD ENDTEST CW#1 CBDE2
189 01 01FED 69301FED BNE $
190 01 01FEF 32100022 A LW#1 X'22'
191 01 01FEF 30100023 A A#1 X'23'
192 01 01FFF0 30101FFA A#1 TBOTALSUM
193 01 01FFF1 3110003F A CW#1 X'3F'
194 01 01FFF2 69301FFF BNE $
195 01 01FFF3 68000023 A B X'23'
196 01 01FFF4 00000000 A DATA 0,0,0,0,0,0
01 01FFF5 00000000 A
01 01FFF6 00000000 A
01 01FFF7 00000000 A
01 01FFF8 00000000 A
01 01FFF9 00000000 A
197 01 01FFFA 00000000 A TBOTALSUM PZE
198 01 01FFFB F0000000 A J00T03 DATA X'F0000000'
199 01 01FFFC 00000000 A CBDE1 DATA X'00000000'
200 01 01FFFD 40000000 A CBDE2 DATA X'40000000'
201 01 01FFFE 02000088 A READ9RD DATA X'02000088'
202 01 01FFFF 00000078 A DATA X'00000078'
203

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CARD 4 *****

ALLWS N9RMAL L9ADER T9 BYPASS
THIS CARD

HANG UP IF L9ADING OVR L9ADER

REL9CATE
DATA

TEST F9R END CARD C9DE
HANG UP IF INVALID C9DE

VERIFY CHECKSUM F9R ENTIRE DECK
HANG UP IF CHECKSUM ERR9R
ENTER PR9GRAM

TBOTALSUM PZE
J00T03 DATA X'F0000000'
CBDE1 DATA X'00000000'
CBDE2 DATA X'40000000'
READ9RD DATA X'02000088'
DATA X'00000078'
END

APPENDIX B

This appendix contains the T-charts for the Sigma 5 floating-point multiply and divide instructions. T-charts, essentially, are snapshots of various registers at specific phase and clock times.

TEST	NB	FC	R	EW	RU1	EWU1							
FML	49	5	BFF00000	BFF00000	00000000	00000000							
CYCLE	S(45*71)	S(00*31)	A(47*71)	A(00*31)	B(48*71)	B(00*31)	D(46*71)	D(00*31)	E	F	FP	SW	
PH 01	03F00000	BFF00000	00000000	00000000	00000000	00000000	00000000	00000000	00	FF	BFF00000	6	
PH 02	03F00000	BFF00000	FFF00000	BFF00000	0000000F	00000000	00000000	00000000	00	05	BFF00000	0	
PH 03	00000000	00800000	FFF00000	C0000000	0000000F	00000000	FFF00000	BFF00000	00	05	00000000	0	
PH 04	00000000	00000000	FFF00000	00000000	00000000	0000000F	FFF00000	BFF00000	00	0D	00000000	1	
PH 05	FFF00000	00000000	FFF00000	00000000	00000000	0000000F	FFF00000	00000000	00	0D	00000000	0	
CLK 02	FF000000	00000000	FF000000	00000000	00000000	0000000F	FFF00000	00000000	FF	0D	00000000	1	
PH 06	00100000	00000000	FF000000	00000000	00000000	0000000F	FFF00000	00000000	FF	0D	00000000	0	
CLK 02	01000000	00000000	01000000	00000000	00000000	0000000F	FF000000	00000000	FE	0C	00000000	0	
PH 07	00000000	00000000	01000000	00000000	00000000	0000000F	FF000000	00000000	FE	0C	00000000	0	
CLK 02	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	0C	00000000	6	
CLK 03	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	0B	00000000	2	
CLK 04	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	0B	00000000	6	
CLK 05	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	0A	00000000	2	
CLK 06	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	0A	00000000	6	
CLK 07	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	09	00000000	2	
CLK 08	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	09	00000000	6	
CLK 09	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	08	00000000	2	
CLK 10	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	08	00000000	6	
CLK 11	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	07	00000000	2	
CLK 12	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	07	00000000	6	
CLK 13	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	06	00000000	2	
CLK 14	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	06	00000000	6	
CLK 15	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	05	00000000	2	
CLK 16	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	05	00000000	6	
CLK 17	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	04	00000000	2	
CLK 18	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	04	00000000	6	
CLK 19	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	03	00000000	2	
CLK 20	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	03	00000000	6	
CLK 21	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	02	00000000	2	
CLK 22	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	02	00000000	6	
CLK 23	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	01	00000000	2	
CLK 24	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	01	00000000	6	
CLK 25	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	00	00000000	2	
CLK 26	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	00	00000000	6	
CLK 27	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	FE	FF	00000000	2	
CLK 28	01000000	00000000	00000000	00000000	00000000	00000000	FF000000	00000000	FE	FF	00000000	5	
PH 08	01000000	00000000	01000000	00000000	00000000	00000000	FF000000	00000000	FE	FF	00000000	5	

TEST	NB	FC	R	EW	RU1	EWU1							
FML	49	5	BFF00000	BFF00000	00000000	00000000							
CYCLE	S(45*71)	S(00*31)	A(47*71)	A(00*31)	B(48*71)	B(00*31)	D(46*71)	D(00*31)	E	F	FP	SW	
PH 09	00100000	00000000	00100000	00000000	00000000	00000000	FF000000	00000000	FF	FF	00000000	5	
PH 10	00100000	00000000	00100000	00000000	00000000	00000000	FF000000	00000000	FF	FF	3F100000	5	

TEST NB	FC	R	EW	RU1	EWU1								
FML	05	5	250007BE	26264A8E	148F26A0	C1F4286C							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	000007BE	25000000	00000000	00000000	00000000	00000000	00000000	00000000	00	FF	250007BE	5	
PH 02	00264A8E	26000000	000007BE	25000000	007DE000	00000000	00000000	00000000	00	05	26264A8E	0	
PH 03	0026524C	C3000000	000007BE	A5000000	007DE000	00000000	00264A8E	26000000	00	05	148F26A0	0	
PH 04	0026524C	C1F4286C	000007BE	148F26A0	000564F1	287DE000	00264A8E	26000000	CB	0D	C1F4286C	0	
PH 06	000007BE	148F26A0	000007BE	148F26A0	000564F1	287DE000	00264A8E	C1F4286C	CB	0D	C1F4286C	0	
CLK 02	00007BE1	48F26A00	00007BE1	48F26A00	000564F1	287DE000	00264A8E	C1F4286C	CA	0C	C1F4286C	0	
CLK 03	0007BE14	8F26A000	0007BE14	8F26A000	000564F1	287DE000	00264A8E	C1F4286C	C9	08	C1F4286C	0	
CLK 04	007BE148	F26A0000	007BE148	F26A0000	000564F1	287DE000	00264A8E	C1F4286C	C8	0A	C1F4286C	0	
PH 07	00000000	00000000	00000000	00000000	000564F1	287DE000	00264A8E	C1F4286C	C8	0A	C1F4286C	0	
CLK 02	00000000	00000000	00000000	00000000	001593C4	A1F78000	004C951D	83E850D8	C8	0A	C1F4286C	6	
CLK 03	00000000	00000000	00000000	00000000	00564F12	87DE0000	004C951D	83E850D8	C8	09	C1F4286C	2	
CLK 04	004C951D	83E850D8	00000000	00000000	00593C4A	1F780000	004C951D	83E850D8	C8	09	C1F4286C	6	
CLK 05	005FBA64	E4E2650E	00132547	60FA1436	0064F128	7DE00000	004C951D	83E850D8	C8	08	C1F4286C	2	
CLK 06	006483B6	BD0EA1B	0017EE99	39389943	0093C4A1	F7800001	004C951D	83E850D8	C8	08	C1F4286C	6	
CLK 07	003F6B7C	713C62F2	001920ED	AF483A86	004F1287	DE000007	00264A8E	C1F4286C	C8	07	C1F4286C	0	
CLK 08	008C6FFC	A0376994	000FDADF	1C4F18BC	003C4A1F	7800001D	004C951D	83E850D8	C8	07	C1F4286C	6	
CLK 09	001718FF	280DDA65	001713FF	280DDA65	00F1287D	E0000074	004C951D	83E850D8	C8	06	C1F4286C	2	
CLK 10	FFF7C7F1	080F4E2D	0005C6FF	CA037699	00C4A1F7	800001D2	00264A8E	C1F4286C	C8	06	C1F4286C	5	
CLK 11	FFF7DF1C	4203D38B	FFF7DF1C	4203D38B	001287DE	0000074A	004C951D	83E850D8	C8	05	C1F4286C	3	
CLK 12	00244255	D2751D4E	FFFDF7C7	1080F4E2	004A1F78	00001D2B	00264A8E	C1F4286C	C8	05	C1F4286C	4	
CLK 13	0055A5B2	F885982B	00091095	749D4753	00287DE0	000074AD	004C951D	83E850D8	C8	04	C1F4286C	2	
CLK 14	0015696C	BE21660A	0015696C	BE21660A	00A1F780	0001D2B7	004C951D	83E850D8	C8	04	C1F4286C	6	
CLK 15	002BA4E9	F17C81EE	00055A5B	2F885982	0087DE00	00074ADD	00264A8E	C1F4286C	C8	03	C1F4286C	0	
CLK 16	003133C9	3E5348F7	000AE93A	7C5F207B	001F7800	001D2B75	00264A8E	C1F4286C	C8	03	C1F4286C	4	
CLK 17	000CAF2C2	4F94D239	000CAF2C2	4F94D239	007DE000	0074A0D7	004C951D	83E850D8	C8	02	C1F4286C	2	
CLK 18	004FA85A	17CD9566	0003133C	93E5348E	00F78000	01D2B75E	004C951D	83E850D8	C8	02	C1F4286C	6	
CLK 19	FFF09F77	C3FF38ED	0013EA16	85F36159	00DE0000	074ADD79	00264A8E	C1F4286C	C8	01	C1F4286C	7	
CLK 20	FFF867E1	F0FFCE3B	FFF867E1	F0FFCE3B	00780000	1D2B75E6	004C951D	83E850D8	C8	01	C1F4286C	1	
CLK 21	FFD88F69	8A43C322	FFFED9F8	7C3FF38E	00E00000	74ADD79B	00264A8E	C1F4286C	C8	00	C1F4286C	1	
CLK 22	FFF623DA	6E92F2C8	FFF623DA	6E92F2C8	00800001	D2B75E6D	004C951D	83E850D8	C8	00	C1F4286C	7	
CLK 23	004A1E14	1F8D0D8A	FFF088F6	9BA48CB2	00000007	4ADD79B4	004C951D	83E850D8	C8	FF	C1F4286C	2	
CLK 24	00128785	07E34362	00128785	07E34362	0000001D	2B75E6D1	004C951D	83E850D8	C8	FF	C1F4286C	6	
PH 08	00128785	07E34362	00128785	07E34362	0000001D	2B75E6D1	004C951D	83E850D8	C8	FF	C1F4286C	6	
PH 09	00128785	07E34362	00128785	07E34362	0000001D	2B75E6D1	004C951D	83E850D8	C8	FF	07E34362	6	
PH 10	00128785	07E34362	00128785	07E34362	0000001D	2B75E6D1	004C951D	83E850D8	C8	FF	08128785	6	

TEST NB	FC	R	EW	RU1	EWU1								
FML	06	5	7F000000	7FFFFFFF	00000000	FFFFFFF							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00000000	7F000000	00000000	00000000	00000000	00000000	00000000	00000000	C8	FF	7F000000	6	
PH 02	00FFFFFF	7F000000	00000000	7F000000	00000000	00000000	00000000	00000000	00	05	7FFFFFFF	0	
PH 03	01000000	7E000000	00000000	F0000000	00000000	00000000	00FFFFFF	7F000000	00	05	00000000	0	
PH 04	01000000	FFFFFFF	00000000	00000000	00000000	00000000	00FFFFFF	7F000000	7E	0D	FFFFFFF	0	
PH 06	00000000	00000000	00000000	00000000	00000000	00000000	00FFFFFF	FFFFFFF	7E	0D	FFFFFFF	0	
CLK 02	00000000	00000000	00000000	00000000	00000000	00000000	00FFFFFF	FFFFFFF	7D	0C	FFFFFFF	0	
PH 09	00000000	00000000	00000000	00000000	00000000	00000000	00FFFFFF	FFFFFFF	7D	0C	00000000	0	
PH 10	00000000	00000000	00000000	00000000	00000000	00000000	00FFFFFF	FFFFFFF	7D	0C	00000000	0	

Table with columns: TEST No, FC, R, EW, RU1, EWU1. Rows include test identifiers (PH, CLK) and numerical data points.

Table with columns: TEST No, FC, R, EW, RU1, EWU1. Rows include test identifiers (PH, CLK) and numerical data points, continuing from page 017.

TEST NO	FC	R	EW	RU1	EWU1								
FML	DB	S	BFFFFFF	BFFFFFF	FFFFFFF	FFFFFFF							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 08	00100000	00000000	00100000	00000000	00FFFFFF	FFFFFFC0	FE000000	00000000	E5	FF	FFFFFFF7	7	
PH 09	00100000	00000000	00100000	00000000	00FFFFFF	FFFFFFC0	FE000000	00000000	E5	FF	00000000	7	
PH 10	00100000	00000000	00100000	00000000	00FFFFFF	FFFFFFC0	FE000000	00000000	E5	FF	25100000	7	

TEST NO	FC	R	EW	RU1	EWU1								
FML	DB	S	4C000000	40000000	00000001	00000001							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00000000	40000000	00000000	00000000	00000000	00000000	00000000	00000000	E5	FF	40000000	7	
PH 02	00000000	40000000	00000000	40000000	00000000	00000000	00000000	00000000	03	05	40000000	0	
PH 03	00000001	00000000	00000000	C0000000	00000000	00000000	00000000	40000000	00	05	00000001	0	
PH 04	00000001	00000001	00000000	00000001	00000000	00000000	00000000	40000000	00	0D	00000001	1	
PH 05	00000000	00000001	00000000	00000001	00000000	00000000	00000000	00000001	00	0D	00000001	0	
CLK 02	00000000	00000010	00000000	00000010	00000000	00000000	00000000	00000001	FF	0D	00000001	C	
CLK 03	00000000	00000100	00000000	00000100	00000000	00000000	00000000	00000001	FE	0D	00000001	C	
CLK 04	00000000	00001000	00000000	00001000	00000000	00000000	00000000	00000001	FD	0D	00000001	C	
CLK 05	00000000	00010000	00000000	00010000	00000000	00000000	00000000	00000001	FC	0D	00000001	C	
CLK 06	00000000	00100000	00000000	00100000	00000000	00000000	00000000	00000001	FB	0D	00000001	C	
CLK 07	00000000	01000000	00000000	01000000	00000000	00000000	00000000	00000001	FA	0D	00000001	C	
CLK 08	00000000	10000000	00000000	10000000	00000000	00000000	00000000	00000001	F9	0D	00000001	C	
CLK 09	00000001	00000000	00000001	00000000	00000000	00000000	00000000	00000001	F8	0D	00000001	0	
CLK 10	00000010	00000000	00000010	00000000	00000000	00000000	00000000	00000001	F7	0D	00000001	0	
CLK 11	00000100	00000000	00000100	00000000	00000000	00000000	00000000	00000001	F6	0D	00000001	0	
CLK 12	00001000	00000000	00001000	00000000	00000000	00000000	00000000	00000001	F5	0D	00000001	0	
CLK 13	00010000	00000000	00010000	00000000	00000000	00000000	00000000	00000001	F4	0D	00000001	0	
CLK 14	00100000	00000000	00100000	00000000	00000000	00000000	00000000	00000001	F3	0D	00000001	1	
PH 06	00000000	00000001	00100000	00000000	00000000	00000000	00000000	00000001	F3	0D	00000001	0	
CLK 02	00000000	00000010	00000000	00000010	00000000	00000000	00100000	00000001	F2	0C	00000001	0	
CLK 03	00000000	00000100	00000000	00000100	00000000	00000000	00100000	00000001	F1	0B	00000001	0	
CLK 04	00000000	00001000	00000000	00001000	00000000	00000000	00100000	00000001	F0	0A	00000001	0	
CLK 05	00000000	00010000	00000000	00010000	00000000	00000000	00100000	00000001	EF	09	00000001	0	
CLK 06	00000000	00100000	00000000	00100000	00000000	00000000	00100000	00000001	EE	08	00000001	0	
CLK 07	00000000	01000000	00000000	01000000	00000000	00000000	00100000	00000001	ED	07	00000001	0	
CLK 08	00000000	10000000	00000000	10000000	00000000	00000000	00100000	00000001	EC	06	00000001	0	
CLK 09	00000001	00000000	00000001	00000000	00000000	00000000	00100000	00000001	EB	05	00000001	0	
CLK 10	00000010	00000000	00000010	00000000	00000000	00000000	00100000	00000001	EA	04	00000001	0	
CLK 11	00000100	00000000	00000100	00000000	00000000	00000000	00100000	00000001	E9	03	00000001	0	
CLK 12	00001000	00000000	00001000	00000000	00000000	00000000	00100000	00000001	E8	02	00000001	0	
CLK 13	00010000	00000000	00010000	00000000	00000000	00000000	00100000	00000001	E7	01	00000001	0	
CLK 14	00100000	00000000	00100000	00000000	00000000	00000000	00100000	00000001	E6	00	00000001	0	
PH 07	00000000	00000000	00100000	00000000	00000000	00000000	00100000	00000001	E6	00	00000001	0	
CLK 02	00100000	00000000	00000000	00000000	00000000	00000000	00100000	00000001	E6	00	00000001	4	
CLK 03	00040000	00000000	00040000	00000000	00000000	00000000	00200000	00000001	E6	FF	00000001	2	
CLK 04	00010000	00000000	00010000	00000000	00000000	00000000	00200000	00000001	E6	FF	00000001	6	
PH 08	00010000	00000000	00010000	00000000	00000000	00000000	00200000	00000001	E6	FF	00000001	6	

TEST N°	FC	R	EW	RU1	EWU1								
FML 09	5	40000000	40000000	00000001	00000001								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 09	00100000	00000000	00100000	00000000	00000000	00000000	00200000	00000000	E5	FF	00000000	6	
PH 10	00100000	00000000	00100000	00000000	00000000	00000000	00200000	00000000	E5	FF	25100000	6	

TEST N°	FC	R	EW	RU1	EWU1								
FML 10	5	FC7CF1CC	7756BA80	80AA9FD4	59C61C18								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	037CF1CC	FC000000	00000000	00000000	00000000	00000000	00000000	00000000	E5	FF	FC7CF1CC	6	
PH 02	0056BA80	77000000	FF7CF1CC	FC000000	00338F3E	00000000	00000000	00000000	00	05	7756BA80	0	
PH 03	FFD3AC4C	FA000000	FF7CF1CC	83000000	00338F3E	00000000	0056BA80	77000000	00	05	80AA9FD4	0	
PH 04	FFD3AC4C	59C61C18	FF7CF1CC	80AA9FD4	002BF955	01338F3E	0056BA80	77000000	FA	0D	59C61C18	1	
PH 07	00000000	00000000	FF7CF1CC	87AA9FD4	002BF955	01338F3E	0056BA80	59C61C18	FA	0D	59C61C18	1	
CLK 02	00000000	00000000	00000000	00000000	00AFE554	04CE3CF8	00AD7500	B38C3830	FA	0D	59C61C18	7	
CLK 03	FFA9457F	A639E3F8	00000000	00000000	00BF9550	1338F3E0	0056BA80	59C61C18	FA	0C	59C61C18	1	
CLK 04	FF9396DF	8FC85CE2	FFEAS15F	E98E78FA	00FE5540	4CE3CF80	0056BA80	59C61C18	FA	0C	59C61C18	5	
CLK 05	003BA038	3DB83350	FFE4E5B7	E3F21738	00F95501	338F3E01	0056BA80	59C61C18	FA	0B	59C61C18	0	
CLK 06	000E80CE	0F6E0CD4	000EE80E	0F6E0CD4	00E55404	CE3CF804	00AD7500	B38C3830	FA	0B	59C61C18	6	
CLK 07	0003BA03	83DB8335	0003BA03	83DB8335	00955013	38F3E010	00AD7500	B38C3830	FA	0A	59C61C18	2	
CLK 08	00AE6381	948318FD	0000E80E	E0F6E0CD	0055404C	E3CF8042	00AD7500	B38C3830	FA	0A	59C61C18	6	
CLK 09	00825360	3EE6E257	002B98E0	6520C63F	00550133	8F3E010A	0056BA80	59C61C18	FA	09	59C61C18	0	
CLK 10	00774F58	897FD4AD	002094D8	2FB9B895	005404CE	3CF8042B	0056BA80	59C61C18	FA	09	59C61C18	4	
CLK 11	00748E56	7C261143	001DD3D6	225FF52B	00501338	F3E010AE	0056BA80	59C61C18	FA	08	59C61C18	0	
CLK 12	0073DE15	F8CFA068	001D2395	9F098450	00404CE3	CF8042B9	0056BA80	59C61C18	FA	08	59C61C18	4	
CLK 13	0073R205	D7FA0432	001CF785	7E33E81A	0001338F	3E010AEC	0056BA80	59C61C18	FA	07	59C61C18	0	
CLK 14	FFC63201	1C3864F4	001CEC81	75FE810C	0004CE3C	F8042BB1	0056BA80	59C61C18	FA	07	59C61C18	3	
CLK 15	FFF18C80	470E1930	FFF18C80	470E1930	001338F3	E010AEC4	00AD7500	B38C3830	FA	06	59C61C18	5	
CLK 16	FFFC6320	11C3864F	FFFC6320	11C3864F	004CE3CF	8042BB12	00AD7500	B38C3830	FA	06	59C61C18	7	
CLK 17	00AC8DC8	B7FD19C3	FFFF18C8	0470E193	00338F3E	010AEC4B	00AD7500	B38C3830	FA	05	59C61C18	2	
CLK 18	FFD468F1	D4392A58	002B2372	20FF4670	00CE3CF8	042BB12F	0056BA80	59C61C18	FA	05	59C61C18	5	
CLK 19	004BD49C	CE0466AE	FFF51A3C	750E4A96	0038F3E0	10AEC4BC	0056BA80	59C61C18	FA	04	59C61C18	0	
CLK 20	FBFC3AAE	D9EFF093	0012F52F	338519A3	00E3CF80	42BB12F1	0056BA80	59C61C18	FA	04	59C61C18	5	
CLK 21	0045C92C	1041D47C	FFFE0EAB	H67B9F64	008F3E01	0AEC4BC7	0056BA80	59C61C18	FA	03	59C61C18	0	
CLK 22	00BEE74B	B79CAF0F	0011724B	041076DF	003CF804	2BB12F1C	00AD7500	B38C3830	FA	03	59C61C18	6	
CLK 23	FFD8FF52	94210FAB	002FB9D2	ED728C3D	00F3E010	AEC4BC73	0056BA80	59C61C18	FA	02	59C61C18	1	
CLK 24	004CF8A4	FECE6002	FFF63FD4	AS0843EA	00CF8042	BB12F1CF	0056BA80	59C61C18	FA	02	59C61C18	4	
CLK 25	00133E95	3FB39800	00133E95	3FB39800	003E010A	EC4BC73D	00AD7500	B38C3830	FA	01	59C61C18	2	
CLK 26	FFAE1574	F626C9E8	0004CF8A	4FECE600	00F8042B	B12F1CF4	0056BA80	59C61C18	FA	01	59C61C18	5	
CLK 27	00423FC9	974FCE92	FFEB8549	3089927A	00E010AE	C4BC73D0	0056BA80	59C61C18	FA	00	59C61C18	0	
CLK 28	00108FF2	65D3F3A4	00108FF2	65D3F3A4	00R042BB	12F1CF41	00AD7500	B38C3830	FA	00	59C61C18	6	
CLK 29	00B198FD	4D013519	000423FC	9974FCE9	00010AEC	4BC73D04	00AD7500	B38C3830	FA	FF	59C61C18	2	
CLK 30	002C663F	53404D46	002C663F	53404D46	00042BB1	2F1CF412	00AD7500	B38C3830	FA	FF	59C61C18	6	
PH 08	002C663F	53404D46	002C663F	53404D46	00042BB1	2F1CF412	00AD7500	B38C3830	FA	FF	59C61C18	6	
PH 09	FFD399C0	ACBFB2BA	002C663F	53404D46	00042BB1	2F1CF412	00AD7500	B38C3830	FA	FF	ACBFB2BA	6	
PH 10	FFD399C0	ACBFB2BA	002C663F	53404D46	00042BB1	2F1CF412	00AD7500	B38C3830	05	FF	C5D399C0	6	

TEST	NB	FC	R	EW	RU1	EWU1						
FML	11	5	F1C3C731	3F01FC03	7F56BA80	70000000						
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	03C3C731	F1000000	00000000	00000000	00000000	00000000	00000000	00000000	05	FF	F1C3C731	6
PH 02	0001FC03	3F000000	FFC3C731	F1000000	008CE3C3	00000000	00000000	00000000	00	05	3F01FC03	0
PH 03	FFC5C334	CD000000	FFC3C731	8E000000	008CE3C3	00000000	0001FC03	3F000000	00	05	7F56BA80	0
PH 04	FFC5C334	70000000	FFC3C731	7F56BA80	00015D6A	FE8CE3C3	0001FC03	3F000000	CD	0D	70000000	1
PH 05	0001FC03	70000000	FFC3C731	7F56BA80	00015D6A	FE8CE3C3	0001FC03	70000000	CD	0D	70000000	0
CLK 02	001FC037	00000000	001FC037	00000000	00015D6A	FE8CE3C3	FFC3C731	7F56BA80	CC	0D	70000000	1
PH 06	003C38CE	80A94580	001FC037	00000000	00015D6A	FE8CE3C3	FFC3C731	7F56BA80	CC	0D	70000000	0
PH 07	00000000	00000000	003C38CE	80A94580	00015D6A	FE8CE3C3	001FC037	00000000	CC	0D	70000000	1
CLK 02	00000000	00000000	00000000	00000000	000575AB	FA338F0C	003F806E	00000000	CC	0D	70000000	7
CLK 03	00000000	00000000	00000000	00000000	0015D6AF	E8CE3C30	003F806E	00000000	CC	0C	70000000	3
CLK 04	00000000	00000000	00000000	00000000	000575AB	A338F0C0	003F806E	00000000	CC	0C	70000000	7
CLK 05	003F806E	00000000	00000000	00000000	00506AFE	8CE3C300	003F806E	00000000	CC	0B	70000000	2
CLK 06	002FA052	80000000	000FE01B	80000000	0075ABFA	338F0C00	001FC037	00000000	CC	0B	70000000	4
CLK 07	002BA84B	A0000000	000BE814	A0000000	00D6AFE8	CE3C3000	001FC037	00000000	CC	0A	70000000	0
CLK 08	000AE12	E8000000	000AE12	E8000000	005ABFA3	38F0C000	003F806E	00000000	CC	0A	70000000	6
CLK 09	00227AB8	BA000000	0002BA84	BA000000	006AFE8C	E3C30000	001FC037	00000000	CC	09	70000000	0
CLK 10	00285EE5	EE800000	00089EAE	EE800000	00ABFA33	8F0C0000	001FC037	00000000	CC	09	70000000	4
CLK 11	00499827	7BA00000	000A17B9	7BA00000	00AFE8CE	3C300000	003F806E	00000000	CC	08	70000000	2
CLK 12	0051E677	DEE80000	00126609	DEE80000	00BFA338	F0C00000	003F806E	00000000	CC	08	70000000	6
CLK 13	0053FA0B	F7BA0000	001479D9	F7BA0000	00FE8CE3	C3000000	003F806E	00000000	CC	07	70000000	2
CLK 14	0014FE82	FDEE8000	0014FE82	FDEE8000	00FA338F	0C000000	003F806E	00000000	CC	07	70000000	6
CLK 15	00053FA0	BF7BA000	00053FA0	BF7BA000	00E8CE3C	30000000	003F806E	00000000	CC	06	70000000	2
CLK 16	00014FE8	2FDEE800	00014FE8	2FDEE800	00A338F0	C0000000	003F806E	00000000	CC	06	70000000	6
CLK 17	003FD468	0BF7BA00	000053FA	0BF7BA00	008CE3C3	00000000	003F806E	00000000	CC	05	70000000	2
CLK 18	004F7588	02FDEE80	000FF51A	02FDEE80	00338F0C	00000000	003F806E	00000000	CC	05	70000000	6
CLK 19	FFF41D2B	00BF7BA0	0013DD62	00BF7BA0	00CE3C30	00000000	001FC037	00000000	CC	04	70000000	1
CLK 20	001CC781	C02FDEE8	FFFDD074	C02FDEE8	0038F0C0	00000000	001FC037	00000000	CC	04	70000000	4
CLK 21	FFE771A9	700BF7BA	000731E0	700BF7BA	00E3C300	00000000	001FC037	00000000	CC	03	70000000	1
CLK 22	00199CA1	5C02FDEE	FFF90C6A	5C02FDEE	008F0C00	00000001	001FC037	00000000	CC	03	70000000	4
CLK 23	0045E796	5700BF7B	00066728	5700BF7B	003C3000	00000005	003F806E	00000000	CC	02	70000000	2
CLK 24	FFF1B9AE	95C02FDE	001179E5	95C02FDE	00F0C000	00000017	001FC037	00000000	CC	02	70000000	5
CLK 25	001C2EA2	A5700BF7	FFF6E6B	A5700BF7	00C30000	0000005D	001FC037	00000000	CC	01	70000000	0
CLK 26	00070BA8	A95C02FD	00070BA8	A95C02FD	000C0000	00000177	003F806E	00000000	CC	01	70000000	6
CLK 27	FFE202B3	2A5700BF	0001C2EA	2A5700BF	00300000	0000005E	001FC037	00000000	CC	00	70000000	1
CLK 28	FFF880AC	CA95C02F	FFF880AC	CA95C02F	00C00000	0000177B	003F806E	00000000	CC	00	70000000	7
CLK 29	0013F062	32A5700B	FFF202B3	32A5700B	00000000	00005DEF	001FC037	00000000	CC	FF	70000000	0
CLK 30	00077818	8CA95C02	00077818	8CA95C02	00000000	000177BF	003F806E	00000000	CC	FF	70000000	6

TEST	NB	FC	R	EW	RU1	EWU1						
FML	11	5	F1C3C731	3F01FC03	7F56BA80	70000000						
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 08	00077818	8CA95C02	00077818	8CA95C02	00000000	000177BF	003F806E	00000000	CC	FF	70000000	6
PH 09	FF887E77	356A3FD1	00778188	CA95C02F	00000000	000177BF	003F806E	00000000	CB	FF	356A3FD1	6
PH 10	FF887E77	356A3FD1	00778188	CA95C02F	00000000	000177BF	003F806E	00000000	34	FF	F4887E77	6

TEST	NB	FC	R	EW	RU1	EWU1					E	F	FP	SW
FML	15	5	50012345	060789AB	8C178F32	258BCDEF								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
PH 09	0089389C	6CA380D7	0089389C	6CA380D7	0000759D	F385FFFE	00F13564	B179BDE0	D3	FF	6CA380D7	6		
PH 10	0089389C	6CA380D7	0089389C	6CA380D7	0000759D	F385FFFE	00F13564	B179BDE0	D3	FF	1389389C	6		

TEST	NB	FC	R	EW	RU1	EWU1					E	F	FP	SW
FML	16	5	89ABCDE	0056AE37	634AC271	BF258BE1								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
PH 01	03ABCDEF	89000000	00000000	00000000	00000000	00000000	00000000	00000000	D3	FF	89ABCDEF	6		
PH 02	0056AE37	00000000	FFABCDEF	89000000	00F7B3D5	00000000	00000000	00000000	00	05	0056AE37	0		
PH 03	00027C26	F6000000	FFABCDEF	F6000000	00F7B3D5	00000000	0056AE37	00000000	00	05	634AC271	0		
PH 04	00027C26	BF258BE1	FFABCDEF	634AC271	008E4352	C6F7B3D5	0056AE37	00000000	F6	0D	BF258BE1	1		
PH 07	00000000	00000000	FFABCDEF	634AC271	008E4352	C6F7B3D5	0056AE37	BF258BE1	F6	0D	BF258BE1	1		
CLX 02	FFA951C8	40DA741F	00000000	00000000	00390D43	1B0ECF54	0056AE37	BF258BE1	F6	0D	BF258BE1	5		
CLX 03	FFFA5472	10369D07	FFFA5472	10369D07	00E4352C	6F7B3D53	00A05C6F	7E4B17C2	F6	0C	BF258BE1	3		
CLX 04	00514354	43333322	FFFA951C	840DA741	0090D4B1	3DECFF54F	0056AE37	BF258BE1	F6	0C	BF258BE1	4		
CLX 05	00C1AD44	8F17E48A	001450D5	10CCCCC8	004352C6	F7B3D53D	00A05C6F	7E4B17C2	F6	0B	BF258BE1	2		
CLX 06	00871988	E2E38503	00306B51	23C5F922	000D4B1B	DECFF54F5	0056AE37	BF258BE1	F6	0B	BF258BE1	4		
CLX 07	FFC8182A	7995555F	0021C662	388AE140	00352C6F	783D53D7	0056AE37	BF258BE1	F6	0A	BF258BE1	1		
CLX 08	FFF2C60A	9E655557	FFF2C60A	9E655557	00D4B1B0	ECF54F5F	00A05C6F	7E4B17C2	F6	0A	BF258BE1	7		
CLX 09	00535FRA	66BEE136	FFFCB182	A7995555	0052C6F7	B3053D7F	0056AE37	BF258BE1	F6	09	BF258BE1	0		
CLX 10	00688626	58D5442E	0014D7EE	99AFB84D	004B1BDE	CF54F5FD	0056AE37	BF258BE1	F6	09	BF258BE1	4		
CLX 11	00718FC1	555ADCEC	001AE189	96355108	002C6F7B	3D53D7F5	0056AE37	BF258BE1	F6	08	BF258BE1	0		
CLX 12	FFC5B598	9631295A	001C63F0	5556B73B	00B1BDEC	F54F5FD4	0056AE37	BF258BE1	F6	08	BF258BE1	5		
CLX 13	FF9ABF36	6666BEF5	FFF16D6E	258C4AD6	00C6F7B3	D53D7F51	0056AE37	BF258BE1	F6	07	BF258BE1	1		
CLX 14	003D5E05	588F389E	FFE6AFCD	9999AF8D	0013DCEC	54F5FD46	0056AE37	BF258BE1	F6	07	BF258BE1	2		
CLX 15	FFB8A949	970A4306	000F57B1	562FCEE7	006F7B3D	53D7F519	0056AE37	BF258BE1	F6	06	BF258BE1	1		
CLX 16	009986C1	E40DA883	FFEE2A52	65C290C1	009DECFF5	4F5FD465	00A05C6F	7E4B17C2	F6	06	BF258BE1	6		
CLX 17	00D43E1F	F74E81E2	0026E1B0	79036A20	00F7B3D5	3D7F5197	00A05C6F	7E4B17C2	F6	05	BF258BE1	2		
CLX 18	00350F87	FDD3A078	00350F87	FDD3A078	00DECFF54	F5FD465D	00A05C6F	7E4B17C2	F6	05	BF258BE1	6		
CLX 19	000D43E1	FF74E81E	000D43E1	FF74E81E	00733D53	D7F51974	00A05C6F	7E4B17C2	F6	04	BF258BE1	2		
CLX 20	0059FF30	3F02C5E8	000350F8	7FDD3A07	00ECFF54F	5FD465D1	0056AE37	BF258BE1	F6	04	BF258BE1	4		
CLX 21	00167FC2	0FC0B17A	00167FC2	0FC0B17A	0083D53D	7F519744	00A05C6F	7E4B17C2	F6	03	BF258BE1	2		
CLX 22	00B2FC62	823B442D	00059FF3	03F02C5E	00CF54F5	FD465D11	00A05C6F	7E4B17C2	F6	03	BF258BE1	6		
CLX 23	002CBF18	A08ED108	002CBF18	A08ED108	003D53D7	F5197444	00A05C6F	7E4B17C2	F6	02	BF258BE1	2		
CLX 24	FF84818E	68FE2861	00082FC6	2823B442	00F54F5F	D465D110	0056AE37	BF258BE1	F6	02	BF258BE1	5		
CLX 25	0043CF98	596515F9	FFED2D63	9A3F8A18	00D53D7F	51974442	0056AE37	BF258BE1	F6	01	BF258BE1	0		
CLX 26	0010F3A6	D659457E	0010F3A6	D659457E	0054F5FD	465D110A	00A05C6F	7E4B17C2	F6	01	BF258BE1	6		
CLX 27	005AE821	748BD740	00043CE9	8596515F	0053D7F5	19744429	0056AE37	BF258BE1	F6	00	BF258BE1	0		
CLX 28	006D9900	1C548331	0016RAC8	5D2EF750	004F5FD4	65D110A4	0056AE37	BF258BE1	F6	00	BF258BE1	4		
CLX 29	00720877	C63AACAD	001B5A40	071520CC	003D7F51	97444292	0056AE37	BF258BE1	F6	FF	BF258BE1	0		
CLX 30	001C821D	F18EAB2B	001C821D	F18EAB2B	00F5FD46	5D110A4A	00A05C6F	7E4B17C2	F6	FF	BF258BE1	6		
PH 08	001C821D	F18EAB2B	001C821D	F18EAB2B	00F5FD46	5D110A4A	00A05C6F	7E4B17C2	F6	FF	BF258BE1	6		
PH 09	FFE37DE2	0E7154D5	001C821D	F18EAB2B	00F3FD46	5D110A4A	00A05C6F	7E4B17C2	F6	FF	0E7154D5	6		
PH 10	FFE37DE2	0E7154D5	001C821D	F18EAB2B	00F5FD46	5D110A4A	00A05C6F	7E4B17C2	09	FF	C9E37DE2	6		

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, and data rows for CYCLE, PH, and CLK. Includes values like S(45=71), S(00=31), A(47=71), etc.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, and data rows for CYCLE, PH, and CLK. Includes values like S(45=71), S(00=31), A(47=71), etc.

TEST NO	FC	R	EW	RU1	EWU1								
FML	18	5	E2006AE3	610083F3	5A5ACF3B	7B27C168							
CYCLE	S(48=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
CLK 30	008BB90C	0C778279	FFFFC59C	E4B61779	0000EAE7	4B5B4E13	008BF37B	27C16B00	FC	FF	7B27C168	4	
PH 08	008BB90C	0C778279	008BB90C	0C778279	0000EAE7	4B5B4E13	008BF37B	27C16B00	FC	FF	7B27C168	4	
PH 09	FF7446F3	F3887D87	008BB90C	0C778279	0000EAE7	4B5B4E13	008BF37B	27C16B00	FC	FF	F3887D87	4	
PH 10	FF7446F3	F3887D87	008BB90C	0C778279	0000EAE7	4B5B4E13	008BF37B	27C16B00	03	FF	C37446F3	4	

TEST NO	FC	R	EW	RU1	EWU1								
FML	19	5	AF00049E	E200049F	F0259E49	F0259E49							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	0300049E	AF000000	00000000	00000000	00000000	00000000	00000000	00000000	03	FF	AF00049E	4	
PH 02	0300049F	E2000000	FF00049E	AF000000	00792000	00000000	00000000	00000000	00	05	E200049F	0	
PH 03	FFFFFFFE	ED800000	FF00049E	D0000000	00792000	00000000	FF00049F	E2800000	00	05	F0259E49	0	
PH 04	FFFFFFFE	F0259E49	FF00049E	F0259E49	009279A4	0F792000	FF00049F	E2800000	ED	0D	F0259E49	0	
PH 07	00000000	00000000	FF00049E	F0259E49	009279A4	0F792000	FF00049F	F0259E49	ED	0D	F0259E49	0	
CLK 02	FF00049F	F0259E49	00000000	00000000	0049E690	3DE48000	FF00049F	F0259E49	ED	0D	F0259E49	4	
CLK 03	FDC00A47	DC54A424	FFC00127	FC096792	00279A40	F7920002	FE00093F	E04B3C92	ED	0C	F0259E49	2	
CLK 04	FF700299	F7152909	FF700299	F7152909	009E6903	DE480008	FE00093F	E04B3C92	ED	0C	F0259E49	6	
CLK 05	FE0C0546	6DEAE88B	FFDC00A6	7DC54A42	0079A40F	79200022	FF00049F	F0259E49	ED	0B	F0259E49	0	
CLK 06	FDB70A91	7BC5F6B4	FFB70151	9B7ABA22	00E6903D	E480008B	FE00093F	E04B3C92	ED	0B	F0259E49	6	
CLK 07	00603E04	6ECB7F64	FF6DC2A4	5EF17DAD	009A40F7	9200022C	FF00049F	F0259E49	ED	0A	F0259E49	1	
CLK 08	FE1B78C0	FBFE346B	0C1B6F81	1BB2F7D9	006903DE	480008B0	FE00093F	E04B3C92	ED	0A	F0259E49	6	
CLK 09	F086E770	1F4AC9AC	FF86DE30	3FFF8D1A	00A40F79	200022C3	FE00093F	F04B3C92	ED	09	F0259E49	2	
CLK 10	FE61BE7B	F7F850B4	FF61B9DC	07D2B26B	00903DE4	8000890C	FF00049F	F0259E49	ED	09	F0259E49	4	
CLK 11	FE987439	EE239276	FF986F9E	F0FE142D	0040F792	00022C30	FF00049F	F0259E49	ED	08	F0259E49	0	
CLK 12	FDA6264F	98D4292F	FFA61D0F	8888EC9D	0003DE48	00880C1F	FE00093F	E04B3C92	ED	08	F0259E49	6	
CLK 13	FF698993	E6F50A4B	FF698993	E6F50A4B	000F7920	0022C307	FE00093F	E04B3C92	ED	07	F0259E49	2	
CLK 14	FFDA6264	F9BD4292	FFDA6264	F9BD4292	003DE480	00880C1F	FE00093F	E04B3C92	ED	07	F0259E49	6	
CLK 15	FFF69899	3E6F50A4	FFF69899	3E6F50A4	00F79200	022C307D	FE00093F	E04B3C92	ED	06	F0259E49	2	
CLK 16	00FDA186	5F7635FC	FFFDA626	4F9BD429	00DE4800	08B0C1F4	FF00049F	F0259E49	ED	06	F0259E49	5	
CLK 17	003F6861	97DD8D78	003F6861	97DD8D78	00792000	22C307D0	FE00093F	E04B3C92	ED	05	F0259E49	3	
CLK 18	010FD578	1D74C515	000FDA18	65F7635E	00E48000	8B0C1F40	FF00049F	F0259E49	ED	05	F0259E49	5	
CLK 19	0043F55E	10747145	0043F55E	10747145	00920002	2C307D02	FE00093F	E04B3C92	ED	04	F0259E49	3	
CLK 20	FE110697	67A85E33	0010FD57	875D1C51	00480008	B0C1F40A	FE00093F	E04B3C92	ED	04	F0259E49	6	
CLK 21	F0844AF5	BA3552CA	FF8441A5	D9EA1638	00200022	C307D023	FE00093F	E04B3C92	ED	03	F0259E49	2	
CLK 22	FF6112B9	6E8D54B2	FF6112B9	6E8D54B2	0080008B	0C1F40A0	FE00093F	E04B3C92	ED	03	F0259E49	6	
CLK 23	FFD849AE	48CAF375	FFD844AE	5BA3552C	0000022C	307D02B5	FF00049F	F0259E49	ED	02	F0259E49	0	
CLK 24	FFB61253	92F23CDD	FFB61253	92F23CDD	00008B0C	C1F40AD6	FE00093F	E04B3C92	ED	02	F0259E49	6	
CLK 25	FFED8494	E4BC8F37	FFED8494	E4BC8F37	000022C3	07D0235A	FE00093F	E04B3C92	ED	01	F0259E49	2	
CLK 26	FFFB6125	392F23CD	FFFB6125	392F23CD	00008B0C	1F40AD68	FE00093F	E04B3C92	ED	01	F0259E49	6	
CLK 27	FFED8494	E4BC8F37	FFED8494	E4BC8F37	00022C30	7D02B5AE	FE00093F	E04B3C92	ED	00	F0259E49	2	
CLK 28	FFFB6125	5392F23C	FFFB6125	5392F23C	0008B0C1	F40AD6B8	FE00093F	E04B3C92	ED	00	F0259E49	2	
CLK 29	FFFFED84	94E4BC8F	FFFFED84	94E4BC8F	0022C307	D0235AEC	FE00093F	E04B3C92	ED	FF	F0259E49	2	
CLK 30	00FFF6C1	351390DA	00FFF6C1	25392F23	008B0C1F	40AD6B83	FF00049F	F0259E49	ED	FF	F0259E49	5	
PH 08	00FFF6C1	351390DA	00FFF6C1	351390DA	008B0C1F	40AD6B83	FF00049F	F0259E49	ED	FF	F0259E49	5	
PH 09	00FFF6C1	351390DA	00FFF6C1	351390DA	008B0C1F	40AD6B83	FF00049F	F0259E49	ED	FF	351390DA	5	
PH 10	00FFF6C1	351390DA	00FFF6C1	351390DA	008B0C1F	40AD6B83	FF00049F	F0259E49	ED	FF	25FFF6C1	5	

TEST NO	FC	R	EW	RU1	EWU1							
FML 21	5	10000006	57000003	F1A3C842	CD2A3C71							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	00000006	10000000	00000000	00000000	00000000	00000000	00000000	00000000	08	FF	10000006	5
PH 02	00000003	57000000	00000006	10000000	00600000	00000000	00000000	00000000	00	05	57000003	0
PH 03	00000009	E7000000	00000006	90000000	00600000	00000000	00000003	57000000	00	05	F1A3C842	0
PH 04	00000009	CD2A3C71	00000006	F1A3C842	004213C5	8F600000	00000003	57000000	E7	0D	CD2A3C71	1
PH 05	00000003	CD2A3C71	00000006	F1A3C842	004213C5	8F600000	00000003	CD2A3C71	E7	0D	CD2A3C71	0
CLK 02	0000003C	D2A3C710	0000003C	D2A3C710	004213C5	8F600000	00000006	F1A3C842	E6	0D	CD2A3C71	0
CLK 03	000003CD	2A3C7100	000003CD	2A3C7100	004213C5	8F600000	00000006	F1A3C842	E5	0D	CD2A3C71	0
CLK 04	00003CD2	A3C71000	00003CD2	A3C71000	004213C5	8F600000	00000006	F1A3C842	E4	0D	CD2A3C71	0
CLK 05	0003CD2A	3C710000	0003CD2A	3C710000	004213C5	8F600000	00000006	F1A3C842	E3	0D	CD2A3C71	0
CLK 06	003CD2A3	C7100000	003CD2A3	C7100000	004213C5	8F600000	00000006	F1A3C842	E2	0D	CD2A3C71	0
PH 06	00000026	F1A3C842	003CD2A3	C7100000	004213C5	8F600000	00000006	F1A3C842	E2	0D	CD2A3C71	0
CLK 02	0000006F	1A3C8420	0000006F	1A3C8420	004213C5	8F600000	003CD2A3	C7100000	E1	0C	CD2A3C71	0
CLK 03	000006F1	A3C84200	000006F1	A3C84200	004213C5	8F600000	003CD2A3	C7100000	E0	0B	CD2A3C71	0
CLK 04	00006F1A	3C842000	00006F1A	3C842000	004213C5	8F600000	003CD2A3	C7100000	DF	0A	CD2A3C71	0
CLK 05	0006F1A3	C8420000	0006F1A3	C8420000	004213C5	8F600000	003CD2A3	C7100000	DE	09	CD2A3C71	0
CLK 06	006F1A3C	84200000	006F1A3C	84200000	004213C5	8F600000	003CD2A3	C7100000	DD	08	CD2A3C71	0
PH 07	00000000	00000000	006F1A3C	84200000	004213C5	8F600000	003CD2A3	C7100000	DD	08	CD2A3C71	0
CLK 02	0079A547	8E200000	00000000	00000000	00084F16	3D800000	0079A547	8E200000	DD	08	CD2A3C71	6
CLK 03	001E6951	E3880000	001E6951	E3880000	00213C58	F6000000	0079A547	8E200000	DD	07	CD2A3C71	2
CLK 04	00079A54	78E20000	00079A54	78E20000	0084F163	D8000000	0079A547	8E200000	DD	07	CD2A3C71	6
CLK 05	003EB938	E5488000	001E6951	1E388000	0013C58F	60000000	003CD2A3	C7100000	DD	06	CD2A3C71	0
CLK 06	000FAE4E	39522000	000FAE4E	39522000	004F163D	80000000	0079A547	8E200000	DD	06	CD2A3C71	6
CLK 07	007D90DB	1C748800	0003EB93	8E548800	003C58F6	00000000	0079A547	8E200000	DD	05	CD2A3C71	2
CLK 08	001F6436	C71D2200	001F6436	C71D2200	00F163D8	00000000	0079A547	8E200000	DD	05	CD2A3C71	6
CLK 09	FFCB0669	EAB74880	0007D90D	B1C74880	00C58F60	00000000	003CD2A3	C7100000	DD	04	CD2A3C71	1
CLK 10	FFF2C19A	7AADD220	FFF2C19A	7AADD220	00163D80	00000000	0079A547	8E200000	DD	04	CD2A3C71	7
CLK 11	0039830A	65B87488	FFFCB066	9EAB7488	0058F600	00000000	003CD2A3	C7100000	DD	03	CD2A3C71	0
CLK 12	0088060A	278E0D22	000E60C2	996E0D22	0063D800	00000000	0079A547	8E200000	DD	03	CD2A3C71	6
CLK 13	009BA6CA	1803B748	00220182	89E3B748	008F6000	00000001	0079A547	8E200000	DD	02	CD2A3C71	2
CLK 14	0063BC56	4D10E0D2	0026E9B2	8600E0D2	003D8000	00000004	003CD2A3	C7100000	DD	02	CD2A3C71	4
CLK 15	0018EF15	93443B74	0018EF15	93443B74	00F60000	00000011	0079A547	8E200000	DD	01	CD2A3C71	2
CLK 16	FFC96921	90C10EDD	000639C5	64D10EDD	00D80000	00000044	003CD2A3	C7100000	DD	01	CD2A3C71	5
CLK 17	FFF25A48	677043B7	FFF25A48	677043B7	00600000	00000112	0079A547	8E200000	DD	00	CD2A3C71	3
CLK 18	FFBFC3FE	52CC10ED	FFFC9692	19DC10ED	00800000	00000448	003CD2A3	C7100000	DD	00	CD2A3C71	5
CLK 19	00699643	22D3043B	FFEFF0FB	9483043B	00000000	0000112E	0079A547	8E200000	DD	FF	CD2A3C71	2
CLK 20	001A6590	C8B4C10E	001A6590	C8B4C10E	00000000	000044BB	0079A547	8E200000	DD	FF	CD2A3C71	6
PH 08	001A6590	C8B4C10E	001A6590	C8B4C10E	00000000	000044BB	0079A547	8E200000	DD	FF	CD2A3C71	6

TEST NO	FC	R	EW	RU1	EWU1							
FML 21	5	10000006	57000003	F1A3C842	CD2A3C71							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 09	001A6590	C8B4C10E	001A6590	C8B4C10E	00000000	000044BB	0079A547	8E200000	DD	FF	C8B4C10E	6
PH 10	001A6590	C8B4C10E	001A6590	C8B4C10E	00000000	000044BB	0079A547	8E200000	DD	FF	101A6590	6

TEST N#	FC	R	EW	RUI	EWU1								
FML 23	5	D2000000	37000000	07C16D1F	05DBR067								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
CLK 25	FFFFFFFF4	A4A08D86	FFFFFFFF4	A4A08D86	00000000	00038464	00B8700C	E0000000	DD	01	05DB8067	3	
CLK 26	FFFFFFFFD	29282361	FFFFFFFFD	29282361	00000000	000E1191	00B8700C	E0000000	DD	01	05DB8067	7	
CLK 27	FFFFFFFFF	4A4A08D8	FFFFFFFFF	4A4A08D8	00000000	00384646	00B8700C	E0000000	DD	00	05DB8067	3	
CLK 28	FFFFFFFFF	D2928236	FFFFFFFFF	D2928236	00000000	00E11918	00B8700C	E0000000	DD	00	05DB8067	7	
CLK 29	FFFFFFFFF	F4A4A08D	FFFFFFFFF	F4A4A08D	00000000	03846461	00B8700C	E0000000	DD	FF	05DB8067	3	
CLK 30	005DB806	6D292823	FFFFFFFFF	F0292823	00000000	0E119186	005DB806	70000000	DD	FF	05DB8067	4	
PH 08	005DB806	6D292823	005DB806	6D292823	00000000	0E119186	005DB806	70000000	DD	FF	05DB8067	4	
PH 09	FFA247F9	92D6D7DD	005DB806	6D292823	00000000	0E119186	005DB806	70000000	DD	FF	92D6D7DD	4	
PH 10	FFA247F9	92D6D7DD	005DB806	6D292823	00000000	0E119186	005DB806	70000000	22	FF	E2A247F9	4	

TEST N#	FC	R	EW	RUI	EWU1									
FML 24	5	C8000000	A0000000	00919193	00E566E9									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
PH 01	03000000	C8000000	00000000	00000000	00000000	00000000	00000000	00000000	22	FF	C8000000	4		
PH 02	03000000	A0000000	FF000000	C8000000	00000000	00000000	00000000	00000000	00	05	A0000000	0		
PH 03	00000000	13800000	FF000000	B4000000	00000000	00000000	FF000000	A0800000	00	05	00919193	0		
PH 04	00000000	00E566E9	FF000000	07919183	00000000	00000000	FF000000	A0800000	13	00	00E566E9	0		
PH 07	00000000	00000000	FF000000	07919183	00000000	00000000	FF000000	00E566E9	13	00	00E566E9	0		
CLK 02	00FFFFFFF	FF1A9917	00000000	00000000	00762624	00000000	FF000000	00E566E9	13	00	00E566E9	5		
CLK 03	013FFFFFF	FE13F5C	003FFFFFF	FFC6A645	00089890	00000003	FF000000	00E566E9	13	00	00E566E9	1		
CLK 04	004FFFFFF	FFB84FD7	004FFFFFF	FFB84FD7	00626240	00000000	FE000000	01CACDD2	13	00	00E566E9	7		
CLK 05	0113FFFFFF	FF08A0D0	0013FFFFFF	FFEE13F5	00898900	00000033	FF000000	00E566E9	13	00	00E566E9	1		
CLK 06	FE450000	018CF915	0044FFFFFF	FFC22B43	00262400	00000000	FE000000	01CACDD2	13	00	00E566E9	6		
CLK 07	FF914000	00633E45	FF914000	00633E45	00989000	00000032	FE000000	01CACDD2	13	0A	00E566E9	2		
CLK 08	FE450000	00FE367A	FFE45000	0018CF91	00624000	00000000	FF000000	00E566E9	13	0A	00E566E9	4		
CLK 09	FDB91400	020A5970	FFB91400	003F8D9E	00890000	00003329	FE000000	01CACDD2	13	09	00E566E9	2		
CLK 10	FE6E4500	0167F0C5	FF6E4500	008296DC	00240000	0000CCA4	FF000000	00E566E9	13	09	00E566E9	4		
CLK 11	FF9B9140	0059FF71	FF9B9140	0059FF71	00900000	00033292	FE000000	01CACDD2	13	08	00E566E9	2		
CLK 12	FE6E4500	00FBE6C5	FFE6E450	00167FDC	00400000	000CCA4A	FF000000	00E566E9	13	08	00E566E9	4		
CLK 13	FDB9B914	0209C783	FFB9B914	003EF9B1	00000000	0033292A	FE000000	01CACDD2	13	07	00E566E9	2		
CLK 14	FF6E6E45	008271E0	FF6E6E45	008271E0	00000000	00CCA4AB	FE000000	01CACDD2	13	07	00E566E9	6		
CLK 15	FFDB9B91	40209C78	FFDB9B91	40209C78	00000000	0033292AC	FE000000	01CACDD2	13	06	00E566E9	2		
CLK 16	FFF6E6E4	5008271E	FFF6E6E4	5008271E	00000000	00CCA4AB0	FE000000	01CACDD2	13	06	00E566E9	6		
CLK 17	FFFDB9B9	140209C7	FFFD9B99	140209C7	00000000	00292AC1	FE000000	01CACDD2	13	05	00E566E9	2		
CLK 18	FFF6E6E6	45008271	FFF6E6E6	45008271	00000000	00CA4AB07	FE000000	01CACDD2	13	05	00E566E9	6		
CLK 19	FFFD9B99	9140209C	FFFD9B99	9140209C	00000003	3292AC1E	FE000000	01CACDD2	13	04	00E566E9	2		
CLK 20	FFF6E6E6	E4500827	FFF6E6E6	E4500827	00000000	00CA4AB078	FE000000	01CACDD2	13	04	00E566E9	6		
CLK 21	FFFD9B99	B9140209	FFFD9B99	B9140209	00000003	292AC1E3	FE000000	01CACDD2	13	03	00E566E9	2		
CLK 22	FFF6E6E6	6E450082	FFF6E6E6	6E450082	00000000	000000CC	A4AB078E	FE000000	01CACDD2	13	03	00E566E9	6	
CLK 23	FFFD9B99	9B914020	FFFD9B99	9B914020	00000032	92AC1E39	FE000000	01CACDD2	13	02	00E566E9	2		
CLK 24	FFF6E6E6	E6E45008	FFF6E6E6	E6E45008	00000000	0000CCA4	4AB078E4	FE000000	01CACDD2	13	02	00E566E9	6	
CLK 25	FFFD9B99	B9B91402	FFFD9B99	B9B91402	00003329	2AC1E390	FE000000	01CACDD2	13	01	00E566E9	2		
CLK 26	FFF6E6E6	6E6E4500	FFF6E6E6	6E6E4500	0000CCA4	AB078E41	FE000000	01CACDD2	13	01	00E566E9	6		
CLK 27	FFFD9B99	D9B91402	FFFD9B99	D9B91402	00033292	AC1E3904	FE000000	01CACDD2	13	00	00E566E9	2		
CLK 28	FFF6E6E6	F6E6E450	FFF6E6E6	F6E6E450	0000CCA4A	B078E410	FE000000	01CACDD2	13	00	00E566E9	6		
CLK 29	FFFD9B99	FDB9B914	FFFD9B99	FDB9B914	0033292A	C1E39040	FE000000	01CACDD2	13	FF	00E566E9	2		
CLK 30	00FFFFFFF	FE89075C	00FFFFFFF	FE6E6E45	00CCA4AB	078E4100	FF000000	00E566E9	13	FF	00E566E9	5		
PH 08	00FFFFFFF	FE89075C	00FFFFFFF	FE89075C	00CCA4AB	078E4100	FF000000	00E566E9	13	FF	00E566E9	5		
PH 09	00FFFFFFF	FE89075C	00FFFFFFF	FE89075C	00CCA4AB	078E4100	FF000000	00E566E9	13	FF	FE89075C	5		
PH 10	00FFFFFFF	FE89075C	00FFFFFFF	FE89075C	00CCA4AB	078E4100	FF000000	00E566E9	13	FF	53FFFFFFF	5		

TEST PNL	NB	FC	R	EW	RU1	EWU1								
	26	5	89000000	14000000	0000438D	000038D0								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
CLK 22	FFFFFFFF	F1024570	FFFFFFFF	F1024570	00000000	00000000	0071A000	00000000	00	03	000038D0	7		
CLK 23	FFFFFFFF	FC40915C	FFFFFFFF	FC40915C	00000000	00000000	0071A000	00000000	00	02	000038D0	3		
CLK 24	FFFFFFFF	FF102457	FFFFFFFF	FF102457	00000000	00000000	0071A000	00000000	00	02	000038D0	7		
CLK 25	FFFFFFFF	FFC40915	FFFFFFFF	FFC40915	00000000	00000000	0071A000	00000000	00	01	000038D0	3		
CLK 26	FFFFFFFF	FFF10245	FFFFFFFF	FFF10245	00000000	0000000E	0071A000	00000000	00	01	000038D0	7		
CLK 27	FFFFFFFF	FFF40915	FFFFFFFF	FFF40915	00000000	0000003A	0071A000	00000000	00	00	000038D0	3		
CLK 28	FFFFFFFF	FFF10245	FFFFFFFF	FFF10245	00000000	000000EA	0071A000	00000000	00	00	000038D0	7		
CLK 29	FFFFFFFF	FFF40915	FFFFFFFF	FFF40915	00000000	0000003A8	0071A000	00000000	00	FF	000038D0	3		
CLK 30	0038CFFF	FFF10245	FFFFFFFF	FFF10245	00000000	000000EA2	0038D000	00000000	00	FF	000038D0	4		
PH 08	0038CFFF	FFF10245	FFFFFFFF	FFF10245	00000000	000000EA2	0038D000	00000000	00	FF	000038D0	4		
PH 09	FFC73000	00000EFE	0038CFFF	FFF10245	00000000	000000EA2	0038D000	00000000	00	FF	00000EFE	4		
PH 10	FFC73000	00000EFE	0038CFFF	FFF10245	00000000	000000EA2	0038D000	00000000	FF	FF	BFC73000	4		

TEST PNL	NB	FC	R	EW	RU1	EWU1								
	27	5	60000000	16000000	000009F2	000006C6								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
PH 01	00000000	60000000	00000000	00000000	00000000	00000000	00000000	00000000	FF	FF	60000000	4		
PH 02	00000000	16000000	00000000	60000000	00000000	00000000	00000000	00000000	00	05	16000000	0		
PH 03	00000001	03000000	00000000	E0000000	00000000	00000000	00000000	16000000	00	05	000009F2	0		
PH 04	00000001	000006C6	00000000	000009F2	004F9000	00000000	00000000	16000000	03	0D	000006C6	1		
PH 05	00000000	000006C6	00000000	000009F2	004F9000	00000000	00000000	000006C6	03	0D	000006C6	0		
CLK 02	00000000	000006C6	00000000	000006C6	004F9000	00000000	00000000	000009F2	02	0D	000006C6	0		
CLK 03	00000000	0006C600	00000000	0006C600	004F9000	00000000	00000000	000009F2	01	0D	000006C6	0		
CLK 04	00000000	006C6000	00000000	006C6000	004F9000	00000000	00000000	000009F2	00	0D	000006C6	0		
CLK 05	00000000	06C60000	00000000	06C60000	004F9000	00000000	00000000	000009F2	FF	0D	000006C6	0		
CLK 06	00000000	6C600000	00000000	6C600000	004F9000	00000000	00000000	000009F2	FE	0D	000006C6	0		
CLK 07	00000006	C6000000	00000006	C6000000	004F9000	00000000	00000000	000009F2	FD	0D	000006C6	0		
CLK 08	0000006C	60000000	0000006C	60000000	004F9000	00000000	00000000	000009F2	FC	0D	000006C6	0		
CLK 09	000006C6	00000000	000006C6	00000000	004F9000	00000000	00000000	000009F2	FB	0D	000006C6	0		
CLK 10	0006C600	00000000	0006C600	00000000	004F9000	00000000	00000000	000009F2	FA	0D	000006C6	0		
CLK 11	006C6000	00000000	006C6000	00000000	004F9000	00000000	00000000	000009F2	F9	0D	000006C6	0		
CLK 12	006C6000	00000000	006C6000	00000000	004F9000	00000000	00000000	000009F2	F8	0D	000006C6	1		
PH 06	00000000	000009F2	006C6000	00000000	004F9000	00000000	00000000	000009F2	F8	0D	000006C6	0		
CLK 02	00000000	00009F20	00000000	00009F20	004F9000	00000000	006C6000	00000000	F7	0C	000006C6	0		
CLK 03	00000000	0009F200	00000000	0009F200	004F9000	00000000	006C6000	00000000	F6	0B	000006C6	0		
CLK 04	00000000	009F2000	00000000	009F2000	004F9000	00000000	006C6000	00000000	F5	0A	000006C6	0		
CLK 05	00000000	09F20000	00000000	09F20000	004F9000	00000000	006C6000	00000000	F4	09	000006C6	0		
CLK 06	00000000	9F200000	00000000	9F200000	004F9000	00000000	006C6000	00000000	F3	08	000006C6	0		
CLK 07	00000009	F2000000	00000009	F2000000	004F9000	00000000	006C6000	00000000	F2	07	000006C6	0		
CLK 08	0000009F	20000000	0000009F	20000000	004F9000	00000000	006C6000	00000000	F1	06	000006C6	0		
CLK 09	000009F2	00000000	000009F2	00000000	004F9000	00000000	006C6000	00000000	F0	05	000006C6	0		
CLK 10	00009F20	00000000	00009F20	00000000	004F9000	00000000	006C6000	00000000	EF	04	000006C6	0		
CLK 11	0009F200	00000000	0009F200	00000000	004F9000	00000000	006C6000	00000000	EE	03	000006C6	0		
CLK 12	009F2000	00000000	009F2000	00000000	004F9000	00000000	006C6000	00000000	ED	02	000006C6	0		
PH 07	00000000	00000000	009F2000	00000000	004F9000	00000000	006C6000	00000000	ED	02	000006C6	0		
CLK 02	0008C000	00000000	00000000	00000000	003E4000	00000000	0058C000	00000000	ED	02	000006C6	6		
CLK 03	00363000	00000000	00363000	00000000	00F90000	00000000	0058C000	00000000	ED	01	000006C6	2		
CLK 04	FFA12C00	00000000	000D8C00	00000000	00E40000	00000000	006C6000	00000000	ED	01	000006C6	5		
CLK 05	FFF84B00	00000000	FFE84300	00000000	00900000	00000000	0058C000	00000000	ED	00	000006C6	3		
CLK 06	0002D2C0	00000000	FFFA12C0	00000000	00400000	00000000	0058C000	00000000	ED	00	000006C6	6		
CLK 07	010074B0	00000000	0034B4B0	00000000	00000000	00000000	0058C000	00000000	ED	FF	000006C6	2		
CLK 08	00435D2C	00000000	00435D2C	00000000	00000000	00000000	0058C000	00000000	ED	FF	000006C6	6		
PH 08	00435D2C	00000000	00435D2C	00000000	00000000	00000000	0058C000	00000000	ED	FF	000006C6	6		

TEST N°	FC	R	EW	RU1	EWU1							
FML 27	5	60000000	16000000	000009F2	000006C6							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 09	00435D2C	00000000	00435D2C	00000000	00000000	00000000	00D8C000	00000000	ED	FF	00000000	6
PH 10	00435D2C	00000000	00435D2C	00000000	00000000	00000000	00D8C000	00000000	ED	FF	2D435D2C	6

TEST N°	FC	R	EW	RU1	EWU1							
FML 28	5	C6000000	E7000000	00000084	00000045							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	03000000	C6000000	00000000	00000000	00000000	00000000	00000000	00000000	ED	FF	C6000000	6
PH 02	03000000	E7000000	FF000000	C6000000	00000000	00000000	00000000	00000000	00	05	E7000000	0
PH 03	FFFFFFFF	D1800000	FF000000	B9000000	00000000	00000000	FF000000	E7800000	00	05	00000084	0
PH 04	FFFFFFFF	00000045	FF000000	00000084	00210000	00000000	FF000000	E7800000	D1	0D	00000045	0
PH 07	00000000	00000000	FF000000	00000084	00210000	00000000	FF000000	00000045	D1	0D	00000045	0
CLK 02	00000000	00000000	00000000	00000000	00840000	00000000	FE000000	0000008A	D1	0D	00000045	6
CLK 03	00000000	00000045	00000000	00000000	00100000	00000000	FF000000	00000045	D1	0C	00000045	0
CLK 04	FFC00000	00000011	FFC00000	00000011	00400000	00000002	FE000000	0000008A	D1	0C	00000045	6
CLK 05	FD000000	0000008F	FF000000	00000004	00000000	0000000A	FE000000	0000008A	D1	0B	00000045	2
CLK 06	FF7C0000	00000023	FF7C0000	00000023	00000000	00000029	FE000000	0000008A	D1	0B	00000045	6
CLK 07	FF0F0000	00000008	FF0F0000	00000005	00000000	000000A7	FE000000	0000008A	D1	0A	00000045	2
CLK 08	FFF7C000	00000000	FFF7C000	00000002	00000000	0000029C	FE000000	0000008A	D1	0A	00000045	6
CLK 09	FFFD0000	00000000	FFFD0000	00000000	00000000	00000A71	FE000000	0000008A	D1	09	00000045	2
CLK 10	FFF7C000	00000000	FFF7C000	00000000	00000000	00029C4	FE000000	0000008A	D1	09	00000045	6
CLK 11	FFFD0000	00000000	FFFD0000	00000000	00000000	0000A710	FE000000	0000008A	D1	08	00000045	2
CLK 12	FFFFFF7C0	00000000	FFFFFF7C0	00000000	00000000	00029C40	FE000000	0000008A	D1	08	00000045	6
CLK 13	FFFFFFD0	00000000	FFFFFFD0	00000000	00000000	000A7100	FE000000	0000008A	D1	07	00000045	2
CLK 14	FFFFFF7C0	00000000	FFFFFF7C0	00000000	00000000	0029C400	FE000000	0000008A	D1	07	00000045	6
CLK 15	FFFFFFD0	00000000	FFFFFFD0	00000000	00000000	00A71000	FE000000	0000008A	D1	06	00000045	2
CLK 16	FFFFFF7C0	00000000	FFFFFF7C0	00000000	00000000	029C4000	FE000000	0000008A	D1	06	00000045	6
CLK 17	FFFFFFD0	00000000	FFFFFFD0	00000000	00000000	00A71000	FE000000	0000008A	D1	05	00000045	2
CLK 18	FFFFFF7C0	00000000	FFFFFF7C0	00000000	00000000	29C40000	FE000000	0000008A	D1	05	00000045	6
CLK 19	FFFFFFD0	00000000	FFFFFFD0	00000000	00000000	A7100000	FE000000	0000008A	D1	04	00000045	2
CLK 20	FFFFFF7C0	00000000	FFFFFF7C0	00000000	00000002	9C400000	FE000000	0000008A	D1	04	00000045	6
CLK 21	FFFFFFD0	00000000	FFFFFFD0	00000000	0000000A	71000000	FE000000	0000008A	D1	03	00000045	2
CLK 22	FFFFFF7C0	00000000	FFFFFF7C0	00000000	00000029	C4000000	FE000000	0000008A	D1	03	00000045	6
CLK 23	FFFFFFD0	00000000	FFFFFFD0	00000000	000000A7	10000000	FE000000	0000008A	D1	02	00000045	2
CLK 24	FFFFFF7C0	00000000	FFFFFF7C0	00000000	0000029C	40000000	FE000000	0000008A	D1	02	00000045	6
CLK 25	FFFFFFD0	00000000	FFFFFFD0	00000000	00000A71	00000000	FE000000	0000008A	D1	01	00000045	2
CLK 26	FFFFFF7C0	00000000	FFFFFF7C0	0000029C	00000000	00000000	FE000000	0000008A	D1	01	00000045	6
CLK 27	FFFFFFD0	00000000	FFFFFFD0	00000A71	00000000	00000000	FE000000	0000008A	D1	00	00000045	2
CLK 28	FFFFFF7C0	00000000	FFFFFF7C0	00029C40	00000000	00000000	FE000000	0000008A	D1	00	00000045	6
CLK 29	FFFFFFD0	00000000	FFFFFFD0	000A7100	00000000	00000000	FE000000	0000008A	D1	FF	00000045	2
CLK 30	00FFFFFF	FFFFFF37	FFFFFF37	FFFFFF7C0	0029C400	00000000	FF000000	00000045	D1	FF	00000045	5
PH 08	00FFFFFF	FFFFFF37	00FFFFFF	FFFFFF37	0029C400	00000000	FF000000	00000045	D1	FF	00000045	5
PH 09	00FFFFFF	FFFFFF37	00FFFFFF	FFFFFF37	0029C400	00000000	FF000000	00000045	D1	FF	FFFFFF37	5
PH 10	00FFFFFF	FFFFFF37	00FFFFFF	FFFFFF37	0029C400	00000000	FF000000	00000045	D1	FF	11FFFFFF	5

TEST	N9	FC	R	EW	RU1	EWU1						
FML	29	5	CC1FC7CF	C3FCA5A5	B5631AF2	7FFFFFFF						
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	031FC7CF	CC000000	FF1FC7CF	CC000000	00000000	00000000	00000000	00000000	D1	FF	CC1FC7CF	5
PH 02	03FCA5A5	C3000000	FF1FC7CF	CC000000	00F3E3F8	00000000	00000000	00000000	00	05	C3FCA5A5	0
PH 03	FF232229	EF800000	FF1FC7CF	B3000000	00F3E3F8	00000000	FFCA5A5	C3800000	00	05	B5631AF2	0
PH 04	FF232229	7FFFFFFF	FF1FC7CF	B5631AF2	004F58C6	ADF3E3F8	FFCA5A5	C3800000	EF	0D	7FFFFFFF	1
PH 05	FFCA5A5	7FFFFFFF	FF1FC7CF	B5631AF2	004F58C6	ADF3E3F8	FFCA5A5	7FFFFFFF	EF	0D	7FFFFFFF	0
CLK 02	FFCA5A57	FFFFFFFF	FFCA5A57	FFFFFFFF	004F58C6	ADF3E3F8	FF1FC7CF	B5631AF2	EE	0D	7FFFFFFF	1
PH 06	00E03830	4A9CE50E	FFCA5A57	FFFFFFFF	004F58C6	ADF3E3F8	FF1FC7CF	B5631AF2	EE	0D	7FFFFFFF	0
PH 07	00000000	00000000	00E03830	4A9CE50E	004F58C6	ADF3E3F8	FFCA5A57	FFFFFFFF	EE	0D	7FFFFFFF	0
CLK 02	FF94B4AF	FFFFFFFFE0	00000000	00000000	003D631A	B7CF8FE0	FF94B4AF	FFFFFFFFE0	EE	0D	7FFFFFFF	6
CLK 03	FFE52D2B	FFFFFFFFF8	FFE52D2B	FFFFFFFFF8	00F58C6A	DF3E3F80	FF94B4AF	FFFFFFFFE0	EE	0C	7FFFFFFF	0
CLK 04	002EFOF3	0000000E	FF94B4A	FFFFFFFFE	00D631A8	7CF8FE00	FFCA5A57	FFFFFFFFE0	EE	0C	7FFFFFFF	5
CLK 05	000B8C3C	C0000003	000B8C3C	C0000003	0058C6AD	F3E3F801	FF94B4AF	FFFFFFFFE0	EE	08	7FFFFFFF	3
CLK 06	003894B7	30000010	0002EFOF	30000000	00631AB7	CF8FE007	FFCA5A57	FFFFFFFFE0	EE	0B	7FFFFFFF	5
CLK 07	0043CA05	CC000014	000E252D	CC000004	008C6ADF	3E3F801C	FFCA5A57	FFFFFFFFE0	EE	0A	7FFFFFFF	1
CLK 08	FFA5A765	72FFFFFFE5	0010F285	73000005	0031AB7C	F8FE0070	FF94B4AF	FFFFFFFFE0	EE	0A	7FFFFFFF	6
CLK 09	FFE969D9	5CBFFFF9	FFE969D9	5CBFFFF9	00C6ADF3	E3F801C2	FF94B4AF	FFFFFFFFE0	EE	09	7FFFFFFF	2
CLK 10	0030001E	5730000E	FFFA5A76	572FFFFFFE	001AB7CF	8FE0070A	FFCA5A57	FFFFFFFFE0	EE	09	7FFFFFFF	5
CLK 11	FFD65A5F	95CBFFF3	000C0007	95CC0003	006ADF3E	3F801C29	FFCA5A57	FFFFFFFFE0	EE	08	7FFFFFFF	0
CLK 12	FF8A4B47	E572FFDC	FFF59697	E572FFDC	00AB7CF8	FE0070A7	FF94B4AF	FFFFFFFFE0	EE	08	7FFFFFFF	6
CLK 13	FFACED29	F95CBFE7	FFE29291	F95CBFF7	00ADF3E3	F801C29C	FFCA5A57	FFFFFFFFE0	EE	07	7FFFFFFF	0
CLK 14	FFB595A2	7E572FE9	FFE8334A	7E572FF9	00B7CF8F	E0070A73	FFCA5A57	FFFFFFFFE0	EE	07	7FFFFFFF	4
CLK 15	FFB78FC0	9F95C8EA	FFED6568	9F95CBFA	00DF3E3F	801C29CE	FFCA5A57	FFFFFFFFE0	EE	06	7FFFFFFF	0
CLK 16	00239598	27E5730A	FFED6568	27E572FA	007CF8FE	0070A739	FFCA5A57	FFFFFFFFE0	EE	06	7FFFFFFF	5
CLK 17	003E8B0E	09F95CD2	0008E566	09F95CC2	00F3E3F8	01C29CE5	FFCA5A57	FFFFFFFFE0	EE	05	7FFFFFFF	1
CLK 18	000FA2C3	827E5734	000FA2C3	827E5734	00CF8FE0	070A7395	FF94B4AF	FFFFFFFFE0	EE	05	7FFFFFFF	7
CLK 19	0003E8B0	E09F95D0	0003E8B0	E09F95D0	003E3F80	1C29CE54	FF94B4AF	FFFFFFFFE0	EE	04	7FFFFFFF	3
CLK 20	FFC85484	3827E563	0000FA2C	3827E573	00F8FE00	70A73952	FFCA5A57	FFFFFFFFE0	EE	04	7FFFFFFF	5
CLK 21	00287AC9	0E09F968	FFF2D521	0E09F958	00F3F801	C29CE548	FFCA5A57	FFFFFFFFE0	EE	03	7FFFFFFF	1
CLK 22	000A1EB2	43827E5A	000A1E92	43827E5A	008FE007	0A73952C	FF94B4AF	FFFFFFFFE0	EE	03	7FFFFFFF	7
CLK 23	FF973C5C	90E09F76	000287AC	90E09F96	003F801C	29CE54B1	FF94B4AF	FFFFFFFFE0	EE	02	7FFFFFFF	2
CLK 24	FFE5CF17	243827D0	FFE5CF17	243827D0	00FE0070	A73952C5	FF94B4AF	FFFFFFFFE0	EE	02	7FFFFFFF	6
CLK 25	002F1960	C90E0A07	FFF973C5	C90E09F7	00F801C2	9CE54B16	FFCA5A57	FFFFFFFFE0	EE	01	7FFFFFFF	1
CLK 26	0079C65B	72438281	000B8C3C	72438281	00E0070A	73952C5B	FF94B4AF	FFFFFFFFE0	EE	01	7FFFFFFF	7
CLK 27	0002F196	DC90E0A0	0002F196	DC90E0A0	00801C29	CE54B16E	FF94B4AF	FFFFFFFFE0	EE	00	7FFFFFFF	3
CLK 28	FF957115	B7243808	000B8C3C	B7243828	000070A7	3952C5B8	FF94B4AF	FFFFFFFFE0	EE	00	7FFFFFFF	6
CLK 29	FFE55C45	6DC90E02	FFE55C45	6DC90E02	001C29C	E54B16E0	FF94B4AF	FFFFFFFFE0	EE	FF	7FFFFFFF	2
CLK 30	002EFC99	5B724390	FFF95711	5B724380	00070A73	952C5B81	FFCA5A57	FFFFFFFFE0	EE	FF	7FFFFFFF	5

TEST	N9	FC	R	EW	RU1	EWU1						
FML	29	5	CC1FC7CF	C3FCA5A5	B5631AF2	7FFFFFFF						
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 08	002EFC99	5B724390	002EFC99	5B724390	00070A73	952C5B81	FFCA5A57	FFFFFFFFE0	EE	FF	7FFFFFFF	5
PH 09	002EFC99	5B724390	002EFC99	5B724390	00070A73	952C5B81	FFCA5A57	FFFFFFFFE0	EE	FF	5B724390	5
PH 10	002EFC99	5B724390	002EFC99	5B724390	00070A73	952C5B81	FFCA5A57	FFFFFFFFE0	EE	FF	2L2EFC99	5

Table with columns: TEST Nbr, FC, R, EW, RU1, EWU1, and data rows for CYCLE, PH, CLK, and SW. Includes sub-headers FML 30, 5, DAC269A5, C7B51894, E9D73A96, 6BA40763.

Table with columns: TEST Nbr, FC, R, EW, RU1, EWU1, and data rows for CYCLE, PH, CLK, and SW. Includes sub-headers FML 31, 5, 160A59C9, 44F82DDE, 136AF5B2, AE1A4FE0.

Table with columns: TEST NO FML, FC, R, EW, RU1, EWU1, CYCLE, PH, and a grid of numerical data values. Includes sub-headers E, F, FP, SW.

Table with columns: TEST NO FML, FC, R, EW, RU1, EWU1, CYCLE, PH, and a grid of numerical data values. Includes sub-headers E, F, FP, SW.

Table with columns: TEST N#, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. Rows include PH 01-10 and CLK 01-10, listing numerical data for each.

Table with columns: TEST N#, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. Rows include PH 01-10 and CLK 01-10, listing numerical data for each.

TEST NO	FC	R	EW	RU1	EWU1								
FML	36	5	53AEF1A4	F3578058	8F6125A3	81234034							
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	03578058	F3000000	00AEF1A4	53000000	00000000	00000000	00000000	00000000	28	FF	53AEF1A4	5	
PH 02	01577148	DF800000	00AEF1A4	D3000000	00258F75	00000000	00000000	00000000	00	05	BF6125A3	0	
PH 03	01577148	81234034	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	F3800000	DF	0D	81234034	1	
PH 04	00000000	00000000	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	81234034	DF	0D	81234034	1	
PH 05	00000000	00000000	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	81234034	DF	0D	81234034	1	
PH 06	00000000	00000000	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	81234034	DF	0D	81234034	1	
PH 07	00000000	00000000	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	81234034	DF	0D	81234034	1	
PH 08	00000000	00000000	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	81234034	DF	0D	81234034	1	
PH 09	00000000	00000000	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	81234034	DF	0D	81234034	1	
PH 10	00000000	00000000	00AEF1A4	BF6125A3	00C5A486	F0258F75	FF578058	81234034	DF	0D	81234034	1	

TEST NO	FC	R	EW	RU1	EWU1								
FML	37	5	D8C25A96	C9B14785	E9D369A7	B6A03674							
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	03C25A96	D8000000	00000000	00000000	00000000	00000000	00000000	00000000	20	FF	D8C25A96	5	
PH 02	03B14785	C9000000	FFC25A96	D8000000	00695A43	00000000	00000000	00000000	00	05	C9B14785	0	
PH 03	00111310	D8A00000	FFC25A96	A4000000	00695A43	00000000	FFB14785	C9800000	00	05	E9D369A7	0	
PH 04	00111310	B6A03674	FFC25A96	E9D369A7	00E596CB	97695A43	FFB14785	C9800000	DA	0D	B6A03674	0	
PH 05	00000000	00000000	FFC25A96	E9D369A7	00E596CB	97695A43	FFB14785	B6A03674	DA	0D	B6A03674	0	
PH 06	004E877A	495FC98C	00000000	00000000	00965B2E	5DA5690C	FFB14785	B6A03674	DA	0D	B6A03674	5	
CLK 02	FF763D29	FF985FA9	0013AE1E	9257F263	00596CB9	7695A430	FF628F0B	6D406CE8	DA	0C	B6A03674	2	
CLK 03	FF401E55	ED2848A	FFDD8FAA	7FE617D2	006582E5	DA5690C3	FF628F0B	6D406CE8	DA	0C	B6A03674	6	
CLK 04	FF3296A0	E88A0E16	FFD00795	7B49A12E	0096CB97	695A430D	FF628F0B	6D406CE8	DA	0B	B6A03674	2	
CLK 05	FF7DED2D	F0C289F9	FFCCASAB	3A228385	00582E5D	A5690C35	FFB14785	B6A03674	DA	0B	B6A03674	4	
CLK 06	FF4A2056	E9711966	FFDF734B	7C30AE7E	006CB976	95A430D6	FF628F0B	6D406CE8	DA	0A	B6A03674	2	
CLK 07	FF3311A1	279CB3C1	FFD08295	B45C46D9	0032E5DA	5690C359	FF628F0B	6D406CE8	DA	0A	B6A03674	6	
CLK 08	FF7E08FE	00876364	FFCC468	49E72CF0	00CB9769	5A430D66	FFB14785	B6A03674	DA	09	B6A03674	0	
CLK 09	002E3975	C981A265	FFDF82FB	8J210809	002E5DA5	690C3598	FFB14785	B6A03674	DA	09	B6A03674	5	
CLK 10	FFACD663	29009F0D	00088E0D	72606899	0097695A	A430D662	FFB14785	B6A03674	DA	08	B6A03674	0	
CLK 11	FFA37D1E	80E05E37	FFEF3598	CA4027C3	00E5DA56	90C3598A	FFB14785	B6A03674	DA	08	B6A03674	4	
CLK 12	0036D7C1	E997E119	FFE81F47	A038178D	0097695A	430D662B	FFB14785	B6A03674	DA	07	B6A03674	1	
CLK 13	FF7044FB	E7A6652E	000D85F0	7A65F846	005DA569	C03598AE	FF628F0B	6D406CE8	DA	07	B6A03674	6	
CLK 14	FF3EAO4A	672A0633	FFDC113E	F9E9994B	007695A4	30D662B9	FF628F0B	6D406CE8	DA	06	B6A03674	2	
CLK 15	FF32371E	070AE7AE	FFCFAB12	99CA818C	00A5690C	C3598AE7	FF628F0B	6D406CE8	DA	06	B6A03674	6	
CLK 16	001B4641	C828529	FFCC83C7	81C28B9D	00695A43	0D662B9C	FFB14785	B6A03674	DA	05	B6A03674	1	
CLK 17	0058A0A	BC286AD6	0006D190	72C8A14A	00A5690C	3598AE72	FFB14785	B6A03674	DA	05	B6A03674	5	
CLK 18	FF77F19E	1C4A879D	00156282	4FOA1AB5	0095A430	D662B9C9	FF628F0B	6D406CE8	DA	04	B6A03674	2	
CLK 19	FFAF43E9	30B2D85B	FFDDFC63	712EA1E7	005690C3	598AE726	FFB14785	B6A03674	DA	04	B6A03674	4	
CLK 20	FF4660P5	BCAD22FE	FFE3D0FA	4F6C3616	005A430D	66239C93	FF628F0B	6D406CE8	DA	03	B6A03674	2	
CLK 21	FF34270C	DC6885A7	FFD19821	6F2B48BF	00690C35	98AE726D	FF628F0B	6D406CE8	DA	03	B6A03674	6	
CLK 22	FF2F98CE	A4585A51	FFCD09C3	371AE069	00A430D6	6289C987	FF628F0B	6D406CE8	DA	02	B6A03674	2	
CLK 23	FF7D20B9	5FB70008	FFCBE433	A916D694	0090C359	8AE726DE	FFB14785	B6A03674	DA	02	B6A03674	4	
CLK 24	FF9092F4	0E8DF98B	FFDF436E	57EDC34E	00430D66	2B9C9378	FFB14785	B6A03674	DA	01	B6A03674	0	
CLK 25	FF4683C8	70E3E855	FFE4249D	03A37E6D	000C3598	AE726DE1	FF628F0B	6D406CE8	DA	01	B6A03674	6	
CLK 26	FF01ACF2	1C38FAD5	FFD1ACF2	1C38FAD5	000C0662	B9C98786	FF628F0B	6D406CE8	DA	00	B6A03674	2	
CLK 27	FF4683C8	70E3E855	FFE4249D	03A37E6D	000C3598	AE726DE1	FF628F0B	6D406CE8	DA	00	B6A03674	6	
CLK 28	FF4683C8	70E3E855	FFE4249D	03A37E6D	000C3598	AE726DE1	FF628F0B	6D406CE8	DA	00	B6A03674	6	
CLK 29	0048D349	6B235939	FFFD1ACF	21C38FAD	000D662B	9C98786A	FFB14785	B6A03674	DA	FF	B6A03674	1	
CLK 30	0012F4D2	5AC8D64E	0012F4D2	5AC8D64E	003598AE	726DE1AA	FF628F0B	6D406CE8	DA	FF	B6A03674	7	
PH 08	0012F4D2	5AC8D64E	0012F4D2	5AC8D64E	003598AE	726DE1AA	FF628F0B	6D406CE8	DA	FF	B6A03674	7	
PH 09	0012F4D2	5AC8D64E	0012F4D2	5AC8D64E	003598AE	726DE1AA	FF628F0B	6D406CE8	DA	FF	5AC8D64E	7	
PH 10	0012F4D2	5AC8D64E	0012F4D2	5AC8D64E	003598AE	726DE1AA	FF628F0B	6D406CE8	DA	FF	1A12F4D2	7	

TEST NO	FC	R	EW	RUI	EWU1							
FML 40	5	1CC7FCFC	5A5F7680	37C1F3C1	1CC95618							
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	00C7FCFC	1C000000	00000000	00000000	00000000	00000000	00000000	00000000	13	FF	1CC7FCFC	7
PH 02	005F7680	5A000000	00C7FCFC	1C000000	003F3FE3	00000000	00000000	00000000	00	05	5A5F7680	0
PH 03	012773AC	F6000000	00C7FCFC	9C000000	003F3FE3	00000000	005F7680	5A000000	00	05	37C1F3C1	0
PH 04	012773AC	1CC95618	00C7FCFC	37C1F3C1	0083CF83	EC3F3FE3	005F7680	5A000000	F6	0D	1CC95618	0
PH 07	00000000	00000000	00C7FCFC	37C1F3C1	0083CF83	EC3F3FE3	005F7680	1CC95618	F6	0D	1CC95618	0
CLK 02	005F7680	1CC95618	00000000	00000000	000F3E0F	B0FCFF8C	005F7680	1CC95618	F6	0D	1CC95618	4
CLK 03	0017DDAC	07325586	0017DDAC	07325586	003CF83E	C3F3FE30	008EED60	3992AC30	F6	0C	1CC95618	2
CLK 04	0005F768	01CC9561	0005F768	01CC9561	00F3E0FB	0FCFF8C1	008EED60	3992AC30	F6	0C	1CC95618	6
CLK 05	FFA2072A	A3A9CF40	00017DDA	C0732558	00CF83EC	3F3FE306	005F7680	1CC95618	F6	08	1CC95618	1
CLK 06	FFE881CA	A8EA73D0	FFE881CA	A8EA73D0	003E0FB0	F0FF8C18	008EED60	3992AC30	F6	08	1CC95618	7
CLK 07	00599722	C703F30C	FFFA2072	AA3A9CF4	00F83EC3	F3FE3060	005F7680	1CC95618	F6	0A	1CC95618	0
CLK 08	FFB6E718	94F7A6A8	001665C8	B1C0FC33	00E0FB0F	CFF8C180	005F7680	1CC95618	F6	0A	1CC95618	5
CLK 09	FFEDB8C6	253DE9AA	FFEDB8C6	253DE9AA	0083EC3F	3FE30603	008EED60	3992AC30	F6	09	1CC95618	3
CLK 10	00BA5C51	C2E2269A	FFB6E718	894F7A6A	000FB0CF	FF8C180D	008EED60	3992AC30	F6	09	1CC95618	6
CLK 11	002E9714	708889A6	002E9714	708889A6	003EC3F3	FE306035	008EED60	3992AC30	F6	08	1CC95618	2
CLK 12	000BA5C5	1C2E2269	000BA5C5	1C2E2269	00FB0CF3	F8C180D5	008EED60	3992AC30	F6	08	1CC95618	6
CLK 13	FFA372C1	2A423282	0002E971	470B889A	00EC3F3F	E3060356	005F7680	1CC95618	F6	07	1CC95618	1
CLK 14	FFE8DC80	4A908CA0	FFE8DC80	4A908CA0	0030FCFF	8C180059	008EED60	3992AC30	F6	07	1CC95618	7
CLK 15	00B9248C	4C36CF58	FFFA372C	12A42328	00C3F3FE	30603564	008EED60	3992AC30	F6	06	1CC95618	2
CLK 16	FFCED272	F6445D8E	002E9714	130DB3D6	000FCFF8	C180D590	005F7680	1CC95618	F6	06	1CC95618	5
CLK 17	00532BAC	DA5A6D87	FFFB384C	B091176F	003F3FE3	06035641	005F7680	1CC95618	F6	05	1CC95618	0
CLK 18	0014CAD3	36969861	0014CAD3	36969861	00CFF8C1	180D5907	008EED60	3992AC30	F6	05	1CC95618	6
CLK 19	FFA5B0C4	B0DC50C0	00053284	DA5A6D80	00F3FE30	6035641E	005F7680	1CC95618	F6	04	1CC95618	1
CLK 20	FFE96F01	2C371430	FFE96F01	2C371430	00CFF8C1	80D59078	008EED60	3992AC30	F6	04	1CC95618	7
CLK 21	FFFA58C0	4B0DC50C	FFFA58C0	4B0DC50C	003FE306	035641E0	008EED60	3992AC30	F6	03	1CC95618	3
CLK 22	005E0D40	2F8CC75B	FFE96F01	12C37143	00FF8C18	00590780	005F7680	1CC95618	F6	03	1CC95618	4
CLK 23	FFB80C87	EF19DBBE	00178368	0RE331D6	00FE3060	35641E03	005F7680	1CC95618	F6	02	1CC95618	1
CLK 24	FFEE032D	F3C676EF	FFEE032D	F3C676EF	00F8C180	D590780D	008EED60	3992AC30	F6	02	1CC95618	7
CLK 25	FFFB80C8	7EF19DBB	FFFB80C8	7EF19DBB	00E30603	5641E037	008EED60	3992AC30	F6	01	1CC95618	3
CLK 26	FFFE032E	DF8C676E	FFFE032E	DF8C676E	008C180D	590780DF	008EED60	3992AC30	F6	01	1CC95618	7
CLK 27	00EA56C6	F181C60B	FFFB80C8	H7EF19DB	00306035	641E037D	008EED60	3992AC30	F6	00	1CC95618	2
CLK 28	002FA95B	3C607182	002FA95B	3C607182	00C180D5	90780DF7	008EED60	3992AC30	F6	00	1CC95618	6
CLK 29	FFAC73A6	B24EC648	000BF456	CF181C60	00060356	41E037DD	005F7680	1CC95618	F6	FF	1CC95618	1
CLK 30	004A9399	C95D07AA	FFEB1CE9	AC93B192	00180D59	0780DF74	005F7680	1CC95618	F6	FF	1CC95618	4
PH 08	004A9399	C95D07AA	004A9399	C95D07AA	00180D59	0780DF74	005F7680	1CC95618	F6	FF	1CC95618	4
PH 09	004A9399	C95D07AA	004A9399	C95D07AA	00180D59	0780DF74	005F7680	1CC95618	F6	FF	C95D07AA	4
PH 10	004A9399	C95D07AA	004A9399	C95D07AA	00180D59	0780DF74	005F7680	1CC95618	F6	FF	364A9399	4

TEST NO	FC	R	EW	RUI	EWU1							
FMS 01	5	46555555	F8555555									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	00555555	46000000	00000000	00000000	00000000	00000000	00000000	00000000	F6	FF	46555555	4
PH 02	03555555	F8000000	00555555	46000000	00AAAAAA	00000000	00000000	00000000	00	05	F8555555	0
PH 03	00FFFFFF	CA800000	00555555	C6000000	00AAAAAA	00000000	FF555555	F8000000	00	05	00000000	0
PH 04	00FFFFFF	00000000	00555555	00000000	00AAAAAA	00000000	FF555555	F8000000	CA	05	00000000	1
PH 07	00000000	00000000	00555555	00000000	00AAAAAA	00000000	FF555555	F8000000	CA	05	00000000	1
CLK 02	00AAAAAA	00000000	00000000	00000000	00AAAAAA	00000000	FF555555	00000000	CA	05	00000000	5
CLK 03	00555555	C0000000	002AAAAA	C0000000	00AAAAAA	00000000	FF555555	00000000	CA	04	00000000	1
CLK 04	00F00000	70000000	00355555	70000000	00AAAAAA	00000000	FF555555	00000000	CA	04	00000000	5
CLK 05	00E2AAAB	1C000000	00380000	1C000000	00AAAAAA	00000000	FF555555	00000000	CA	03	00000000	1
CLK 06	00E35555	C7000000	0038AAAA	C7000000	00AAAAAA	00000000	FF555555	00000000	CA	03	00000000	5
CLK 07	00E38000	71C00000	0038D555	71C00000	00AAAA00	00000000	FF555555	00000000	CA	02	00000000	1
CLK 08	00E38AA8	1C700000	0038E000	1C700000	00AA8000	00000000	FF555555	00000000	CA	02	00000000	5
CLK 09	00E38D55	C71C0000	0038E2AA	C71C0000	00AA0000	00000000	FF555555	00000000	CA	01	00000000	1
CLK 10	00E38E00	71C70000	0038E355	71C70000	00A80000	00000000	FF555555	00000000	CA	01	00000000	5
CLK 11	00E38E7B	1C71C000	0038E380	1C71C000	00A00000	00000000	FF555555	00000000	CA	00	00000000	1
CLK 12	00E38E35	C71C7000	0038E38A	C71C7000	00800000	00000000	FF555555	00000000	CA	00	00000000	5
CLK 13	00E38E38	71C71C00	0038E38D	71C71C00	00000000	00000000	FF555555	00000000	CA	FF	00000000	1
CLK 14	0038E38E	1C71C700	0038E38E	1C71C700	00000000	00000000	FEAAAAAA	00000000	CA	FF	00000000	7
PH 08	0038E38E	1C71C700	0038E38E	1C71C700	00000000	00000000	FEAAAAAA	00000000	CA	FF	00000000	7
PH 09	FFC71C71	E38E3900	0038E38E	1C71C700	00000000	00000000	FEAAAAAA	00000000	CA	FF	E38E3900	7
PH 10	FFC71C71	E38E3900	0038E38E	1C71C700	00000000	00000000	FEAAAAAA	00000000	35	FF	F3C71C71	7

TEST NO	FC	R	EW	RUI	EWU1								
FMS	02	5	08AAAAAA	BAAAAAAA									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	00AAAAAA	08000000	00000000	00000000	00000000	00000000	00000000	00000000	35	FF	08AAAAAA	7	
PH 02	03AAAAAA	9A000000	00AAAAAA	08000000	00555555	00000000	00000000	00000000	00	05	BAAAAAAA	0	
PH 03	00FFFFFF	CD800000	00AAAAAA	88000000	00555555	00000000	FFAAAAAA	BA800000	00	05	00000000	0	
PH 04	00FFFFFF	00000000	00AAAAAA	00000000	00555555	00000000	FFAAAAAA	BA800000	CD	05	00000000	1	
PH 07	00000000	00000000	00AAAAAA	00000000	00555555	00000000	FFAAAAAA	00000000	CD	05	00000000	1	
CLK 02	FF555554	00000000	00000000	00000000	00555554	00000000	FF555554	00000000	CD	05	00000000	6	
CLK 03	FF77777F	00000000	FFD55555	00000000	00555550	00000000	FFAAAAAA	00000000	CD	04	00000000	0	
CLK 04	FF8AAAA9	C0000000	FFDFFFFF	C0000000	00555540	00000000	FFAAAAAA	00000000	CD	04	00000000	4	
CLK 05	FF8D5554	70000000	FFE2AAAA	70000000	00555500	00000000	FFAAAAAA	00000000	CD	03	00000000	0	
CLK 06	FF8DFFFF	1C000000	FFE35555	1C000000	00555400	00000000	FFAAAAAA	00000000	CD	03	00000000	4	
CLK 07	FF8E2AA9	C7000000	FFE37FFF	C7000000	00555000	00000000	FFAAAAAA	00000000	CD	02	00000000	0	
CLK 08	FF8E3554	71C00000	FFE38AAA	71C00000	00554000	00000000	FFAAAAAA	00000000	CD	02	00000000	4	
CLK 09	FF8E37FF	1C700000	FFE38D55	1C700000	00550000	00000000	FFAAAAAA	00000000	CD	01	00000000	0	
CLK 10	FF8E38A9	C71C0000	FFE38DFF	C71C0000	00540000	00000000	FFAAAAAA	00000000	CD	01	00000000	4	
CLK 11	FF8E38D4	71C70000	FFE38E2A	71C70000	00500000	00000000	FFAAAAAA	00000000	CD	00	00000000	0	
CLK 12	FF8E38DF	1C71C000	FFE38E35	1C71C000	00400000	00000000	FFAAAAAA	00000000	CD	00	00000000	4	
CLK 13	FF8E38E1	C71C7000	FFE38E37	C71C7000	00000000	00000000	FFAAAAAA	00000000	CD	FF	00000000	0	
CLK 14	0038E38E	71C71C00	FFE38E38	71C71C00	00000000	00000000	FFAAAAAA	00000000	CD	FF	00000000	5	
PH 08	0038E38E	71C71C00	0038E38E	71C71C00	00000000	00000000	FFAAAAAA	00000000	CD	FF	00000000	5	
PH 09	FFC71C71	8E38E400	0038E38E	71C71C00	00000000	00000000	FFAAAAAA	00000000	CD	FF	8E38E400	5	
PH 10	FFC71C71	8E38E400	0038E38E	71C71C00	00000000	00000000	FFAAAAAA	00000000	32	FF	F2C71C71	5	

TEST NO	FC	R	EW	RUI	EWU1								
FMS	03	5	80000000	7F000000									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	03000000	80000000	00000000	00000000	00000000	00000000	00000000	00000000	32	FF	80000000	5	
PH 02	00000000	7F000000	FF000000	80000000	00000000	00000000	00000000	00000000	00	05	7F000000	0	
PH 03	FF000001	7E000000	FF000000	FF000000	00000000	00000000	00000000	7F000000	00	05	00000000	0	
PH 04	FF000001	00000000	FF000000	00000000	00000000	00000000	00000000	7F000000	7E	05	00000000	1	
PH 05	00000000	00000000	FF000000	00000000	00000000	00000000	00000000	00000000	7E	05	00000000	0	
CLK 02	00000000	00000000	00000000	00000000	00000000	00000000	FF000000	00000000	7D	05	00000000	0	
PH 09	00000000	00000000	00000000	00000000	00000000	00000000	FF000000	00000000	7D	05	00000000	0	
PH 10	00000000	00000000	00000000	00000000	00000000	00000000	FF000000	00000000	82	05	00000000	0	

TEST N°	FC	R	EW	RUI	EWU1								
FMS 04	5	01100000	3F100000										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00100000	01000000	00000000	00000000	00000000	00000000	00000000	00000000	82	05	01100000	0	
PH 02	00100000	3F000000	00100000	01000000	00000000	00000000	00000000	00000000	00	05	3F100000	0	
PH 03	00200000	C0000000	00100000	01000000	00000000	00000000	00100000	3F000000	00	05	00000000	0	
PH 04	00200000	00000000	00100000	00000000	00000000	00000000	00100000	3F000000	C0	05	00000000	0	
PH 07	00000000	00000000	00100000	00000000	00000000	00000000	00100000	00000000	C0	05	00000000	0	
CLK 02	00000000	00000000	00000000	00000000	00000020	00000000	00200000	00000000	C0	05	00000000	6	
CLK 03	00000000	00000000	00000000	00000000	00000000	00000000	00200000	00000000	C0	04	00000000	2	
CLK 04	00000000	00000000	00000000	00000000	00000200	00000000	00200000	00000000	C0	04	00000000	6	
CLK 05	00000000	00000000	00000000	00000000	00000000	00000000	00200000	00000000	C0	03	00000000	2	
CLK 06	00000000	00000000	00000000	00000000	00002000	00000000	00200000	00000000	C0	03	00000000	6	
CLK 07	00000000	00000000	00000000	00000000	00008000	00000000	00200000	00000000	C0	02	00000000	2	
CLK 08	00000000	00000000	00000000	00000000	00020000	00000000	00200000	00000000	C0	02	00000000	6	
CLK 09	00000000	00000000	00000000	00000000	00080000	00000000	00200000	00000000	C0	01	00000000	2	
CLK 10	00000000	00000000	00000000	00000000	00200000	00000000	00200000	00000000	C0	01	00000000	6	
CLK 11	00000000	00000000	00000000	00000000	00000000	00000000	00200000	00000000	C0	00	00000000	2	
CLK 12	00100000	00000000	00000000	00000000	00000000	00000000	00100000	00000000	C0	00	00000000	4	
CLK 13	00040000	00000000	00040000	00000000	00000000	00000000	00200000	00000000	C0	FF	00000000	2	
CLK 14	00010000	00000000	00010000	00000000	00000000	00000000	00200000	00000000	C0	FF	00000000	6	
PH 08	00010000	00000000	00010000	00000000	00000000	00000000	00200000	00000000	C0	FF	00000000	6	
PH 09	00100000	00000000	00100000	00000000	00000000	00000000	00200000	00000000	BF	FF	00000000	6	
PH 10	00100000	00000000	00100000	00000000	00000000	00000000	00200000	00000000	BF	FF	00000000	6	

TEST N°	FC	R	EW	RUI	EWU1								
FMS 05	5	CF000000	CF000000										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	03F00000	CF000000	00000000	00000000	00000000	00000000	00000000	00000000	BF	FF	CF000000	6	
PH 02	03F00000	CF000000	FFF00000	CF000000	00000000	00000000	00000000	00000000	00	05	CF000000	0	
PH 03	FFFFFFFF	E0800000	FFF00000	00000000	00000000	00000000	FFF00000	CF800000	00	05	00000000	0	
PH 04	FFFFFFFF	00000000	FFF00000	00000000	00000000	00000000	FFF00000	CF800000	E0	05	00000000	1	
PH 05	FFF00000	00000000	FFF00000	00000000	00000000	00000000	FFF00000	00000000	E0	05	00000000	0	
CLK 02	FF000000	00000000	FF000000	00000000	00000000	00000000	FF000000	00000000	DF	05	00000000	1	
PH 06	00100000	00000000	FF000000	00000000	00000000	00000000	FF000000	00000000	DF	05	00000000	0	
CLK 02	01000000	00000000	01000000	00000000	00000000	00000000	FF000000	00000000	DE	04	00000000	0	
PH 07	00000000	00000000	01000000	00000000	00000000	00000000	FF000000	00000000	DE	04	00000000	0	
CLK 02	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	04	00000000	6	
CLK 03	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	03	00000000	2	
CLK 04	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	03	00000000	6	
CLK 05	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	02	00000000	2	
CLK 06	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	02	00000000	6	
CLK 07	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	01	00000000	2	
CLK 08	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	01	00000000	6	
CLK 09	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	00	00000000	2	
CLK 10	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	00	00000000	6	
CLK 11	00000000	00000000	00000000	00000000	00000000	00000000	FE000000	00000000	DE	FF	00000000	2	
CLK 12	01000000	00000000	00000000	00000000	00000000	00000000	FF000000	00000000	DE	FF	00000000	5	
PH 08	01000000	00000000	00000000	00000000	00000000	00000000	FF000000	00000000	DE	FF	00000000	5	
PH 09	00100000	00000000	00100000	00000000	00000000	00000000	FF000000	00000000	DF	FF	00000000	5	
PH 10	00100000	00000000	00100000	00000000	00000000	00000000	FF000000	00000000	DF	FF	1F000000	5	

TEST NO	FC	R	EW	RUI	EWU1										
FMS 06	7	3F100000	01100000												
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW			
PH 01	00100000	3F000000	00000000	00000000	00000000	00000000	00000000	00000000	DF	FF	3F100000	5			
PH 02	00100000	01000000	00100000	3F000000	00000008	00000000	00000000	00000000	00	05	01100000	0			
PH 03	00200000	C0000000	00100000	BF000000	00000008	00000000	00100000	01000000	00	05	00000000	0			
PH 04	00200000	00000000	00100000	00000000	00000008	00000000	00100000	01000000	C0	05	00000000	0			
PH 07	00000000	00000000	00100000	00000000	00000008	00000000	00100000	00000000	C0	05	00000000	0			
CLK 02	00000000	00000000	00000000	00000000	00000020	00000000	00200000	00000000	C0	05	00000000	6			
CLK 03	00000000	00000000	00000000	00000000	00000080	00000000	00200000	00000000	C0	04	00000000	2			
CLK 04	00000000	00000000	00000000	00000000	00000200	00000000	00200000	00000000	C0	04	00000000	6			
CLK 05	00000000	00000000	00000000	00000000	00000800	00000000	00200000	00000000	C0	03	00000000	2			
CLK 06	00000000	00000000	00000000	00000000	00002000	00000000	00200000	00000000	C0	03	00000000	6			
CLK 07	00000000	00000000	00000000	00000000	00008000	00000000	00200000	00000000	C0	02	00000000	2			
CLK 08	00000000	00000000	00000000	00000000	00020000	00000000	00200000	00000000	C0	02	00000000	6			
CLK 09	00000000	00000000	00000000	00000000	00080000	00000000	00200000	00000000	C0	01	00000000	2			
CLK 10	00000000	00000000	00000000	00000000	00200000	00000000	00200000	00000000	C0	01	00000000	6			
CLK 11	00000000	00000000	00000000	00000000	00800000	00000000	00200000	00000000	C0	00	00000000	2			
CLK 12	00100000	00000000	00000000	00000000	00000000	00000000	00100000	00000000	C0	00	00000000	4			
CLK 13	00040000	00000000	00040000	00000000	00000000	00000000	00200000	00000000	C0	FF	00000000	2			
CLK 14	00010000	00000000	00010000	00000000	00000000	00000000	00200000	00000000	C0	FF	00000000	6			
PH 08	00010000	00000000	00010000	00000000	00000000	00000000	00200000	00000000	C0	FF	00000000	6			
PH 09	00100000	00000000	00100000	00000000	00000000	00000000	00200000	00000000	BF	FF	00000000	6			
PH 10	00100000	00000000	00100000	00000000	00000000	00000000	00200000	00000000	BF	FF	7F100000	6			

TEST NO	FC	R	EW	RUI	EWU1										
FMS 07	5	61369ADD	60159027												
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW			
PH 01	00369ADD	61000000	00000000	00000000	00000000	00000000	00000000	00000000	BF	FF	61369ADD	6			
PH 02	00159027	60000000	00369ADD	61000000	0003596C	00000000	00000000	00000000	00	05	60159027	0			
PH 03	004C2AF8	41000000	00369ADD	E1000000	0003596C	00000000	00159027	60000000	00	05	00000000	0			
PH 04	004C2AF8	00000000	00369ADD	00000000	0003596C	00000000	00159027	60000000	41	05	00000000	0			
PH 07	00000000	00000000	00369ADD	00000000	0003596C	00000000	00159027	00000000	41	05	00000000	0			
CLK 02	00000000	00000000	00000000	00000000	002065B0	00000000	0028204E	00000000	41	05	00000000	6			
CLK 03	00000000	00000000	00000000	00000000	003596C0	00000000	0028204E	00000000	41	04	00000000	2			
CLK 04	00159027	00000000	00000000	00000000	002065B0	00000000	00159027	00000000	41	04	00000000	4			
CLK 05	FFF03E2	C0000000	00056409	C0000000	00596C00	00000000	00159027	00000000	41	03	00000000	1			
CLK 06	FFE664D1	80000000	FFF03E2	80000000	00658000	00000000	00159027	00000000	41	03	00000000	5			
CLK 07	FFE4090D	6C000000	FFF99934	6C000000	0096C000	00000000	00159027	00000000	41	02	00000000	1			
CLK 08	00242291	5B000000	FFF90243	5B000000	00530000	00000000	0028204E	00000000	41	02	00000000	6			
CLK 09	003428F2	56C00000	000908A4	56C00000	006C0000	00000000	0028204E	00000000	41	01	00000000	2			
CLK 10	00382ARA	95B00000	000D0A3C	95B00000	00300000	00000000	0028204E	00000000	41	01	00000000	6			
CLK 11	00239AC9	A56C0000	000E0AA2	A56C0000	00C00000	00000000	00159027	00000000	41	00	00000000	0			
CLK 12	FFF3568B	695B0000	0008E632	695B0000	00000000	00000000	00159027	00000000	41	00	00000000	5			
CLK 13	001265C9	DA56C000	FFF0D5A2	DA56C000	00000000	00000000	00159027	00000000	41	FF	00000000	0			
CLK 14	00049972	7695B000	00049972	7695B000	00000000	00000000	0028204E	00000000	41	FF	00000000	6			
PH 08	00049972	7695B000	00049972	7695B000	00000000	00000000	0028204E	00000000	41	FF	00000000	6			
PH 09	00499727	695B0000	00499727	695B0000	00000000	00000000	0028204E	00000000	40	FF	695B0000	6			
PH 10	00499727	695B0000	00499727	695B0000	00000000	00000000	0028204E	00000000	40	FF	00499727	6			

TEST	NB	FC	R	EW	RUI	EWU1								
FMS	08	5	61659CC1	0C331C1F										
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW		
PH 01	00659CC1	61000000	00000000	00000000	00000000	00000000	00000000	00000000	40	FF	61659CC1	6		
PH 02	00331C1F	0C000000	00659CC1	61000000	008339A6	00000000	00C00000	00000000	00	05	0C331C1F	0		
PH 03	0098B8E0	ED000000	00659CC1	E1000000	008339A6	00000000	00331C1F	0C000000	00	05	00000000	0		
PH 04	0098B8E0	00000000	00659CC1	00000000	008339A6	00000000	00331C1F	0C000000	ED	05	00000000	0		
PH 07	00000000	00000000	00659CC1	00000000	008339A6	00000000	00331C1F	00000000	ED	05	00000000	0		
CLK 02	00331C1F	00000000	00000000	00000000	000CE698	00000000	00331C1F	00000000	ED	05	00000000	4		
CLK 03	000CC707	C0000000	000CC707	C0000000	00339A60	00000000	0066383E	00000000	ED	04	00000000	2		
CLK 04	000331C1	F0000000	000331C1	F0000000	00CE6980	00000000	0066383E	00000000	ED	04	00000000	6		
CLK 05	FFCDB051	7C000000	0000CC70	7C000000	0039A600	00000000	00331C1F	00000000	ED	03	00000000	1		
CLK 06	00268833	5F000000	FFF36C14	5F000000	00E69800	00000000	00331C1F	00000000	ED	03	00000000	4		
CLK 07	FFD685ED	D7C00000	0009A20C	D7C00000	009A6000	00000000	00331C1F	00000000	ED	02	00000000	1		
CLK 08	0058D999	75F00000	FFF5A178	75F00000	00698000	00000000	0066383E	00000000	ED	02	00000000	6		
CLK 09	007D2EAC	5D7C0000	0016F66E	5D7C0000	00A60000	00000000	0066383E	00000000	ED	01	00000000	2		
CLK 10	005267CA	175F0000	001F434B	175F0000	00980000	00000000	00331C1F	00000000	ED	01	00000000	4		
CLK 11	00478611	85D7C000	001499F2	85D7C000	00600000	00000000	00331C1F	00000000	ED	00	00000000	0		
CLK 12	007825C2	6175F000	0011E0B4	6175F000	00800000	00000000	0066383E	00000000	ED	00	00000000	6		
CLK 13	0051258F	985D7C00	001E0970	985D7C00	00000000	00000000	00331C1F	00000000	ED	FF	00000000	0		
CLK 14	00144963	E6175F00	00144963	E6175F00	00000000	00000000	0066383E	00000000	ED	FF	00000000	6		
PH 08	00144963	E6175F00	00144963	E6175F00	00000000	00000000	0066383E	00000000	ED	FF	00000000	6		
PH 09	00144963	E6175F00	00144963	E6175F00	00000000	00000000	0066383E	00000000	ED	FF	E6175F00	6		
PH 10	00144963	E6175F00	00144963	E6175F00	00000000	00000000	0066383E	00000000	ED	FF	20144963	6		

TEST	NB	FC	R	EW	RUI	EWU1								
FMS	09	5	C624A394	C3D6B663										
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW		
PH 01	0324A394	C6000000	00000000	00000000	00000000	00000000	00000000	00000000	ED	FF	C624A394	6		
PH 02	03D6B663	C3000000	FF24A394	C6000000	0029C524	00000000	00000000	00000000	00	05	C3D6B663	0		
PH 03	FF4DED30	F5800000	FF24A394	89000000	0029C524	00000000	FFD6B663	C3800000	00	05	00000000	0		
PH 04	FF4DED30	00000000	FF24A394	00000000	0029C524	00000000	FFD6B663	C3800000	F5	05	00000000	0		
PH 07	00000000	00000000	FF24A394	00000000	0029C524	00000000	FFD6B663	00000000	F5	05	00000000	0		
CLK 02	00000000	00000000	00000000	00000000	00A71490	00000000	FFAD6CC6	00000000	F5	05	00000000	6		
CLK 03	FFD6B663	00000000	00000000	00000000	009C5240	00000000	FFD6B663	00000000	F5	04	00000000	0		
CLK 04	FFCC63FB	C0000000	FFF5A098	C0000000	00714900	00000000	FFD6B663	00000000	F5	04	00000000	4		
CLK 05	FFA085C4	F0000000	FFF313FE	F0000000	00C52400	00000000	FFAD6CC6	00000000	F5	03	00000000	2		
CLK 06	0011490E	3C000000	FFE82171	3C000000	00149000	00000000	FFD6B663	00000000	F5	03	00000000	5		
CLK 07	FFDB1126	8F000000	00045AC3	8F000000	00524000	00000000	FFD6B663	00000000	F5	02	00000000	0		
CLK 08	FFA4310F	A3C00000	FFF6C449	A3C00000	00490000	00000000	FFAD6CC6	00000000	F5	02	00000000	6		
CLK 09	FF967909	E8F00000	FFE90C43	E8F00000	00240000	00000000	FFAD6CC6	00000000	F5	01	00000000	2		
CLK 10	FFF59E42	7A3C0000	FFE59E42	7A3C0000	00900000	00000000	FFAD6CC6	00000000	F5	01	00000000	6		
CLK 11	FFD01DF3	9E8F0000	FFF96790	9E8F0000	00400000	00000000	FFD6B663	00000000	F5	00	00000000	0		
CLK 12	FFA17442	E7A3C000	FFF4077C	E7A3C000	00000000	00000000	FFAD6CC6	00000000	F5	00	00000000	6		
CLK 13	FFF85D10	B9E8F000	FFE85D10	B9E8F000	00000000	00000000	FFAD6CC6	00000000	F5	FF	00000000	2		
CLK 14	002360E1	2E7A3C00	FFFA1744	2E7A3C00	00000000	00000000	FFD6B663	00000000	F5	FF	00000000	5		
PH 08	002360E1	2E7A3C00	002360E1	2E7A3C00	00000000	00000000	FFD6B663	00000000	F5	FF	00000000	5		
PH 09	002360E1	2E7A3C00	002360E1	2E7A3C00	00000000	00000000	FFD6B663	00000000	F5	FF	2E7A3C00	5		
PH 10	002360E1	2E7A3C00	002360E1	2E7A3C00	00000000	00000000	FFD6B663	00000000	F5	FF	302360E1	5		

TEST N#	FC	R	EW	RU1	EW1					E	F	FP	SW
FMS 10	5	BCA5A5F3	03FD4FC7										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)					
PH 01	03A5A5F3	BC000000	00000000	00000000	00000000	00000000	00000000	00000000	F5	FF	BCA5A5F3	5	
PH 02	00FD4FC7	03000000	FFA5A5F3	BC000000	00CFA5A5	00000000	00000000	00000000	00	05	03FD4FC7	0	
PH 03	00A2F5B8	C6000000	FFA5A5F3	C3000000	00CFA5A5	00000000	00FD4FC7	03000000	00	05	00000000	0	
PH 04	00A2F5B8	00000000	FFA5A5F3	00000000	00CFA5A5	00000000	00FD4FC7	03000000	C6	05	00000000	1	
PH 07	00000000	00000000	FFA5A5F3	00000000	00CFA5A5	00000000	00FD4FC7	00000000	C6	05	00000000	1	
CLK 02	00FD4FC7	00000000	00000000	00000000	003E9694	00000000	00FD4FC7	00000000	C6	05	00000000	4	
CLK 03	FF42042A	C0000000	003F53F1	C0000000	00FA5A50	00000000	00FD4FC7	00000000	C6	04	00000000	1	
CLK 04	00CDD0D1	B0000000	FFD0810A	B0000000	00E96940	00000000	00FD4FC7	00000000	C6	04	00000000	4	
CLK 05	00337434	6C000000	00337434	6C000000	00A5A500	00000000	01FA9F8E	00000000	C6	03	00000000	2	
CLK 06	02077C9B	18000000	00CDD0D0	18000000	00969400	00000000	01FA9F8E	00000000	C6	03	00000000	6	
CLK 07	027C7EB4	C6C00000	0081DF26	C6C00000	005A5000	00000000	01FA9F8E	00000000	C6	02	00000000	2	
CLK 08	019C6F74	31B00000	009F1FAD	31B00000	00694000	00000000	00FD4FC7	00000000	C6	02	00000000	4	
CLK 09	01646BA4	0C6C0000	00671B0D	0C6C0000	00A50000	00000000	00FD4FC7	00000000	C6	01	00000000	0	
CLK 10	0253BA77	031B0000	00591AE9	031B0000	00940000	00000000	01FA9F8E	00000000	C6	01	00000000	6	
CLK 11	028F8E2B	C0C6C000	0094EE9D	C0C6C000	00500000	00000000	01FA9F8E	00000000	C6	00	00000000	2	
CLK 12	01A13351	F031B000	00A3E38A	F031B000	00400000	00000000	00FD4FC7	00000000	C6	00	00000000	4	
CLK 13	01659C9B	7C0C6C00	00684C04	7C0C6C00	00000000	00000000	00FD4FC7	00000000	C6	FF	00000000	0	
CLK 14	00596726	DF031B00	00596726	DF031B00	00000000	00000000	01FA9F8E	00000000	C6	FF	00000000	6	
PH 08	00596726	DF031B00	00596726	DF031B00	00000000	00000000	01FA9F8E	00000000	C6	FF	00000000	6	
PH 09	FFA698D9	20FCE500	00596726	DF031B00	00000000	00000000	01FA9F8E	00000000	C6	FF	20FCE500	6	
PH 10	FFA698D9	20FCE500	00596726	DF031B00	00000000	00000000	01FA9F8E	00000000	39	FF	F9A698D9	6	

TEST N#	FC	R	EW	RU1	EW1					E	F	FP	SW
FMS 11	5	2C6E4866	41331C1F										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)					
PH 01	006E4866	2C000000	00000000	00000000	00000000	00000000	00000000	00000000	39	FF	2C6E4866	6	
PH 02	00331C1F	41000000	006E4866	2C000000	00661276	00000000	00000000	00000000	00	05	41331C1F	0	
PH 03	00A16485	ED000000	006E4866	AC000000	00661276	00000000	00331C1F	41000000	00	05	00000000	0	
PH 04	00A16485	00000000	006E4866	00000000	00661276	00000000	00331C1F	41000000	ED	05	00000000	0	
PH 07	00000000	00000000	006E4866	00000000	00661276	00000000	00331C1F	00000000	ED	05	00000000	0	
CLK 02	0066383E	00000000	00000000	00000000	009849D8	00000000	0066383E	00000000	ED	05	00000000	6	
CLK 03	004CAA2E	80000000	00198E2F	80000000	00612760	00000000	00331C1F	00000000	ED	04	00000000	0	
CLK 04	007962C9	A0000000	00132A8B	A0000000	00R49D80	00000000	0066383E	00000000	ED	04	00000000	6	
CLK 05	005174D1	68000000	001E5832	68000000	00127600	00000000	00331C1F	00000000	ED	03	00000000	0	
CLK 06	00145D34	5A000000	00145D34	5A000000	0049D800	00000000	0066383E	00000000	ED	03	00000000	6	
CLK 07	006B4F83	16800000	0005174D	16800000	00276000	00000000	0066383E	00000000	ED	02	00000000	2	
CLK 08	001AD3E2	C5A00000	001AD3E2	C5A00000	009D8000	00000000	0066383E	00000000	ED	02	00000000	6	
CLK 09	0039D117	B1680000	0006B4F8	B1680000	00760000	00000000	00331C1F	00000000	ED	01	00000000	0	
CLK 10	0074AC39	EC5A0000	000E7445	EC5A0000	009D8000	00000000	0066383E	00000000	ED	01	00000000	6	
CLK 11	FFEA0F01	FB168000	001D2320	FB168000	00600000	00000000	00331C1F	00000000	ED	00	00000000	1	
CLK 12	FFC767A1	7EC5A000	FFF1D9F8	7EC5A000	00800000	00000000	00331C1F	00000000	ED	00	00000000	5	
CLK 13	00581226	5FB16800	FFF1D9F8	5FB16800	00000000	00000000	0066383E	00000000	ED	FF	00000000	2	
CLK 14	00160489	97EC5A00	00160489	97EC5A00	00000000	00000000	0066383E	00000000	ED	FF	00000000	6	
PH 08	00160489	97EC5A00	00160489	97EC5A00	00000000	00000000	0066383E	00000000	ED	FF	00000000	6	
PH 09	00160489	97EC5A00	00160489	97EC5A00	00000000	00000000	0066383E	00000000	ED	FF	97EC5A00	6	
PH 10	00160489	97EC5A00	00160489	97EC5A00	00000000	00000000	0066383E	00000000	ED	FF	20160489	6	

TEST NO	FC	R	EW	RU1	EWU1								
FMS	12	5	57A63427	035CD8C7									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	00A63427	57000000	00000000	00000000	00000000	00000000	00000000	00000000	ED	FF	57A63427	6	
PH 02	005CD8C7	03000000	00A63427	57000000	00E42C65	00000000	00000000	00000000	00	05	035CD8C7	0	
PH 03	01030FEE	DA000000	00A63427	07000000	00E42C65	00000000	005CD8C7	03000000	00	05	00000000	0	
PH 04	01030FEE	00000000	00A63427	00000000	00E42C65	00000000	005CD8C7	03000000	DA	05	00000000	0	
PH 07	00000000	00000000	00A63427	00000000	00E42C65	00000000	005CD8C7	00000000	DA	05	00000000	0	
CLK 02	FFA32439	00000000	00000000	00000000	00908194	00000000	005CD8C7	00000000	DA	05	00000000	5	
CLK 03	00A2809C	40000000	FFE8C90E	40000000	0042C650	00000000	00B9B78E	00000000	DA	04	00000000	2	
CLK 04	00E25785	10000000	0028A027	10000000	000B1940	00000000	00B9B78E	00000000	DA	04	00000000	6	
CLK 05	003895ED	44000000	003895ED	44000000	002C6500	00000000	00B9B78E	00000000	DA	03	00000000	2	
CLK 06	00E25785	51000000	00E25785	51000000	00B19400	00000000	00B9B78E	00000000	DA	03	00000000	6	
CLK 07	00606525	D4400000	0003895E	D4400000	00C65000	00000000	005CD8C7	00000000	DA	02	00000000	0	
CLK 08	FFB83D42	75100000	00181949	75100000	00194000	00000000	005CD8C7	00000000	DA	02	00000000	5	
CLK 09	004B8B27	9D440000	FFE8C90E	9D440000	00650000	00000000	005CD8C7	00000000	DA	01	00000000	0	
CLK 10	00CCA257	E7510000	0012EAC9	E7510000	00940000	00000000	00B9B78E	00000000	DA	01	00000000	6	
CLK 11	0090045C	F9D44000	00332895	F9D44000	00500000	00000000	005CD8C7	00000000	DA	00	00000000	0	
CLK 12	00DB88A5	3E751000	00240117	3E751000	00400000	00000000	00B9B78E	00000000	DA	00	00000000	6	
CLK 13	00F125B7	4F9D4400	00376E29	4F9D4400	00000000	00000000	00B9B78E	00000000	DA	FF	00000000	2	
CLK 14	003C496D	D3E75100	003C496D	D3E75100	00000000	00000000	00B9B78E	00000000	DA	FF	00000000	6	
PH 08	003C496D	D3E75100	003C496D	D3E75100	00000000	00000000	00B9B78E	00000000	DA	FF	00000000	6	
PH 09	003C496D	D3E75100	003C496D	D3E75100	00000000	00000000	00B9B78E	00000000	DA	FF	D3E75100	6	
PH 10	003C496D	D3E75100	003C496D	D3E75100	00000000	00000000	00B9B78E	00000000	DA	FF	1A3C496D	6	

TEST NO	FC	R	EW	RU1	EWU1								
FMS	13	5	2878C1F3	1C57CF8E									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	0078C1F3	28000000	00000000	00000000	00000000	00000000	00000000	00000000	DA	FF	2878C1F3	6	
PH 02	0057CF8E	1C000000	0078C1F3	28000000	00CF831E	00000000	00000000	00000000	00	05	1C57CF8E	0	
PH 03	00009181	C4000000	0078C1F3	A8000000	00CF831E	00000000	0057CF8E	1C000000	00	05	00000000	0	
PH 04	00009181	00000000	0078C1F3	00000000	00CF831E	00000000	0057CF8E	1C000000	C4	05	00000000	0	
PH 07	00000000	00000000	0078C1F3	00000000	00CF831E	00000000	0057CF8E	00000000	C4	05	00000000	0	
CLK 02	FFA83072	00000000	00000000	00000000	003E0C78	00000000	0057CF8E	00000000	C4	05	00000000	5	
CLK 03	0041D9AA	80000000	FFEAC0C1	80000000	00F831E0	00000000	0057CF8E	00000000	C4	04	00000000	0	
CLK 04	FF98A75C	A0000000	001076EA	A0000000	00E0C780	00000000	0057CF8E	00000000	C4	04	00000000	5	
CLK 05	FFFE2977	28000000	FFFE2977	28000000	00831E00	00000000	00AF9F1C	00000000	C4	03	00000000	3	
CLK 06	00A32991	CA000000	FFF38A75	CA000000	000C7800	00000000	00AF9F1C	00000000	C4	03	00000000	6	
CLK 07	002ACA64	72800000	002ACA64	72800000	0031E000	00000000	00AF9F1C	00000000	C4	02	00000000	2	
CLK 08	000AB279	1CA00000	000AB299	1CA00000	00C78000	00000000	00AF9F1C	00000000	C4	02	00000000	6	
CLK 09	FFAADD18	47280000	0002ACA6	47280000	001E0000	00000000	0057CF8E	00000000	C4	01	00000000	1	
CLK 10	004286D4	11CA0000	FFEAB746	11CA0000	00780000	00000000	0057CF8E	00000000	C4	01	00000000	4	
CLK 11	00C040D1	04728000	0010A195	04728000	00E00000	00000000	00AF9F1C	00000000	C4	00	00000000	2	
CLK 12	FFD840A6	411CA000	00301034	411CA000	00800000	00000000	0057CF8E	00000000	C4	0C	00000000	5	
CLK 13	00A5AF45	90472800	FFF61029	90472800	00000000	00000000	00AF9F1C	00000000	C4	FF	00000000	2	
CLK 14	00296B01	6411CA00	00296B01	6411CA00	00000000	00000000	00AF9F1C	00000000	C4	FF	00000000	6	
PH 08	00296B01	6411CA00	00296B01	6411CA00	00000000	00000000	00AF9F1C	00000000	C4	FF	00000000	6	
PH 09	00296B01	6411CA00	00296B01	6411CA00	00000000	00000000	00AF9F1C	00000000	C4	FF	6411CA00	6	
PH 10	00296B01	6411CA00	00296B01	6411CA00	00000000	00000000	00AF9F1C	00000000	C4	FF	04296B01	6	

TEST N°	FC	R	EW	RJ1	EW1					E	F	FP	SW
FMS 14	5	3F1301C0	D085BDE1										
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)					
PH 01	001301C0	3F000000	00000000	00000000	00000000	00000000	00000000	00000000	C4	FF	3F1301C0	6	
PH 02	0385BDE1	D0000000	001301C0	3F000000	000380C8	00000000	00000000	00000000	00	05	D085BDE1	0	
PH 03	008D43DE	EE800000	001301C0	BF000000	000380C8	00000000	FF85BDE1	D0800000	00	05	00000000	0	
PH 04	008D43DE	00000000	001301C0	00000000	000380C8	00000000	FF85BDE1	D0800000	EE	05	00000000	1	
PH 07	00000000	00000000	001301C0	00000000	000380C8	00000000	FF85BDE1	00000000	EE	05	00000000	1	
CLK 02	00000000	00000000	00000000	00000000	000E0320	00000000	FF0B7BC2	00000000	EE	05	00000000	7	
CLK 03	00000000	00000000	00000000	00000000	00380C80	00000000	FF0B7BC2	00000000	EE	04	00000000	3	
CLK 04	00000000	00000000	00000000	00000000	00E03200	00000000	FF0B7BC2	00000000	EE	04	00000000	7	
CLK 05	FF85BDE1	00000000	00000000	00000000	0080C800	00000000	FF85BDE1	00000000	EE	03	00000000	0	
CLK 06	FECEB3A	40000000	FFE16F78	40000000	00032000	00000000	FF0B7BC2	00000000	EE	03	00000000	6	
CLK 07	00357CED	90000000	FFB3ACE	90000000	000C8000	00000000	FF85BDE1	00000000	EE	02	00000000	1	
CLK 08	00005F3B	64000000	00005F3B	64000000	00320000	00000000	FF0B7BC2	00000000	EE	02	00000000	7	
CLK 09	000357CE	D9000000	000357CE	D9000000	00C80000	00000000	FF0B7BC2	00000000	EE	01	00000000	3	
CLK 10	FF8693D4	B6400000	0000D5F3	B6400000	00200000	00000000	FF85BDE1	00000000	EE	01	00000000	4	
CLK 11	005BE714	2D900000	FFE144F5	2D900000	00800000	00000000	FF85BDE1	00000000	EE	00	00000000	1	
CLK 12	00913BE4	0B640000	0016F9C5	0B640000	00000000	00000000	FF85BDE1	00000000	EE	00	00000000	5	
CLK 13	00244EF9	02D90000	00244EF9	02D90000	00000000	00000000	FF0B7BC2	00000000	EE	FF	00000000	3	
CLK 14	000913BE	40B64000	000913BE	40B64000	00000000	00000000	FF0B7BC2	00000000	EE	FF	00000000	7	
PH 08	000913BE	40B64000	000913BE	40B64000	00000000	00000000	FF0B7BC2	00000000	EE	FF	00000000	7	
PH 09	FF6EC41B	F49C0000	00913BE4	0B640000	00000000	00000000	FF0B7BC2	00000000	ED	FF	F49C0000	7	
PH 10	FF6EC41B	F49C0000	00913BE4	0B640000	00000000	00000000	FF0B7BC2	00000000	12	FF	D26EC41B	7	

TEST N°	FC	R	EW	RJ1	EW1					E	F	FP	SW
FMS 15	5	1C3F1C73	D193DFCF										
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)					
PH 01	003F1C73	1C000000	00000000	00000000	00000000	00000000	00000000	00000000	12	FF	1C3F1C73	7	
PH 02	0393DFCF	D1000000	003F1C73	1C000000	00CE38FC	00000000	00000000	00000000	00	05	D193DFCF	0	
PH 03	00A93CA3	CA800000	003F1C73	9C000000	00CE38FC	00000000	FF93DFCF	D1800000	00	05	00000000	0	
PH 04	00AB3CA3	00000000	003F1C73	00000000	00CE38FC	00000000	FF93DFCF	D1800000	CA	05	00000000	1	
PH 07	00000000	00000000	003F1C73	00000000	00CE38FC	00000000	FF93DFCF	00000000	CA	05	00000000	1	
CLK 02	FF93DFCF	00000000	00000000	00000000	0038E3F0	00000000	FF93DFCF	00000000	CA	05	00000000	4	
CLK 03	00511R24	C0000000	FFE4F7F3	C0000000	00F38FC0	00000000	FF93DFCF	00000000	CA	04	00000000	1	
CLK 04	FFA825D8	30000000	00144609	30000000	008E3F00	00000000	FF93DFCF	00000000	CA	04	00000000	4	
CLK 05	FF11C914	0C000000	FFE40976	0C000000	0038FC00	00000000	FF27BF9E	00000000	CA	03	00000000	2	
CLK 06	00309276	03000000	FFC47245	03000000	00E3F000	00000000	FF93DFCF	00000000	CA	03	00000000	5	
CLK 07	FFA0046C	80C00000	000C249D	80C00000	008FC000	00000000	FF93DFCF	00000000	CA	02	00000000	0	
CLK 08	FF0FC0B9	20300000	FFE8011B	20300000	003F0000	00000000	FF27BF9E	00000000	CA	02	00000000	6	
CLK 09	0030105F	480C0000	FFC3F02E	480C0000	00FC0000	00000000	FF93DFCF	00000000	CA	01	00000000	1	
CLK 10	FF9FE3E6	D2030000	000C0417	D2030000	00F00000	00000000	FF93DFCF	00000000	CA	01	00000000	4	
CLK 11	FFE7F8F9	B480C000	FFE7F8F9	B480C000	00C00000	00000000	FF27BF9E	00000000	CA	00	00000000	2	
CLK 12	FFF9FE3E	6D203000	FFF9FE3E	6D203000	00000000	00000000	FF27BF9E	00000000	CA	00	00000000	6	
CLK 13	006A9FC0	9B480C00	FFE7F8F9	9B480C00	00000000	00000000	FF93DFCF	00000000	CA	FF	00000000	1	
CLK 14	001AA7F0	26D20300	001AA7F0	26D20300	00000000	00000000	FF27BF9E	00000000	CA	FF	00000000	7	
PH 08	001AA7F0	26D20300	001AA7F0	26D20300	00000000	00000000	FF27BF9E	00000000	CA	FF	00000000	7	
PH 09	FFE5580F	D92DFD00	001AA7F0	26D20300	00000000	00000000	FF27BF9E	00000000	CA	FF	D92DFD00	7	
PH 10	FFE5580F	D92DFD00	001AA7F0	26D20300	00000000	00000000	FF27BF9E	00000000	35	FF	F5E5580F	7	

TEST N°	FC	R	EW	RU1	EWU1							
FMS 16	5	41659CC1	0867F5A8									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	00659CC1	41000000	00000000	00000000	00000000	00000000	00000000	00000000	35	FF	41659CC1	7
PH 02	0067F5A8	0B000000	00659CC1	41000000	008339A6	00000000	00000000	00000000	00	05	0867F5A8	0
PH 03	00CD9269	CC000000	00659CC1	C1000000	008339A6	00000000	0067F5A8	0B000000	00	05	00000000	0
PH 04	00CD9269	00000000	00659CC1	00000000	008339A6	00000000	0067F5A8	0B000000	CC	05	00000000	0
PH 07	00000000	00000000	00659CC1	00000000	008339A6	00000000	0067F5A8	00000000	CC	05	00000000	0
CLK 02	0067F5A8	00000000	00000000	00000000	000CE698	00000000	0067F5A8	00000000	CC	05	00000000	4
CLK 03	0019FD6A	00000000	0019FD6A	00000000	00339A60	00000000	00CFEB50	00000000	CC	04	00000000	2
CLK 04	00067F5A	80000000	00067F5A	80000000	00CE6980	00000000	00CFEB50	00000000	CC	04	00000000	6
CLK 05	FF99AA2E	A0000000	00019FD6	A0000000	0039A600	00000000	0067F5A8	00000000	CC	03	00000000	1
CLK 06	004E6093	A8000000	FFE66A8R	A8000000	00E69800	00000000	0067F5A8	00000000	CC	03	00000000	4
CLK 07	FFABA264	EA000000	0013980C	EA000000	009A6000	00000000	0067F5A8	00000000	CC	02	00000000	1
CLK 08	00BAD3E9	3A800000	FFEAE899	3A800000	00698000	00000000	00CFEB50	00000000	CC	02	00000000	6
CLK 09	00FEA04A	4EA00000	002EB4FA	4EA00000	00A60000	00000000	00CFEB50	00000000	CC	01	00000000	2
CLK 10	00A79D9A	93A80000	003FA812	93A80000	00980000	00000000	0067F5A8	00000000	CC	01	00000000	4
CLK 11	0091DD16	A4EA0000	0029E76E	A4EA0000	00600000	00000000	0067F5A8	00000000	CC	00	00000000	0
CLK 12	00F46295	A93A8000	00247745	A93A8000	00800000	00000000	00CFEB50	00000000	CC	00	00000000	6
CLK 13	00A50E4D	6A4EA000	003D18A5	6A4EA000	00000000	00000000	0067F5A8	00000000	CC	FF	00000000	0
CLK 14	00294393	5A93A800	00294393	5A93A800	00000000	00000000	00CFEB50	00000000	CC	FF	00000000	6
PH 08	00294393	5A93A800	00294393	5A93A800	00000000	00000000	00CFEB50	00000000	CC	FF	00000000	6
PH 09	00294393	5A93A800	00294393	5A93A800	00000000	00000000	00CFEB50	00000000	CC	FF	5A93A800	6
PH 10	00294393	5A93A800	00294393	5A93A800	00000000	00000000	00CFEB50	00000000	CC	FF	0C294393	6

TEST N°	FC	R	EW	RU1	EWU1							
FMS 17	5	CFCF7C1C	41A80AFD									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	03CF7C1C	CF000000	00000000	00000000	00000000	00000000	00000000	00000000	CC	FF	CFCF7C1C	6
PH 02	00A80AFD	41000000	FFCF7C1C	CF000000	00383EF3	00000000	00000000	00000000	00	05	41A80AFD	0
PH 03	00778719	F1000000	FFCF7C1C	H0000000	00383EF3	00000000	00A80AFD	41000000	00	05	00000000	0
PH 04	00778719	00000000	FFCF7C1C	00000000	00383EF3	00000000	00A80AFD	41000000	F1	05	00000000	1
PH 07	00000000	00000000	FFCF7C1C	00000000	00383EF3	00000000	00A80AFD	00000000	F1	05	00000000	1
CLK 02	00000000	00000000	00000000	00000000	00E0FB3C	00000000	015015FA	00000000	F1	05	00000000	7
CLK 03	00A80AFD	00000000	00000000	00000000	00R3EF30	00000000	00A80AFD	00000000	F1	04	00000000	0
CLK 04	017A18B9	40000000	002A02BF	40000000	000FBCC0	00000000	015015FA	00000000	F1	04	00000000	6
CLK 05	FFB67B31	50000000	005E862E	50000000	003EF300	00000000	00A80AFD	00000000	F1	03	00000000	1
CLK 06	FFED9ECC	54000000	FFED9ECC	54000000	00FBCC00	00000000	015015FA	00000000	F1	03	00000000	7
CLK 07	00A37290	15000000	FFFB67B3	15000000	00EF3000	00000000	00A80AFD	00000000	F1	02	00000000	0
CLK 08	0028DCAC	05400000	0028DCAC	05400000	00BCC000	00000000	015015FA	00000000	F1	02	00000000	6
CLK 09	015A4D25	01500000	000A372B	01500000	00F30000	00000000	015015FA	00000000	F1	01	00000000	2
CLK 10	00569349	40540000	00569349	40540000	00CC0000	00000000	015015FA	00000000	F1	01	00000000	6
CLK 11	0015A4D2	50150000	0015A4D2	50150000	00300000	00000000	015015FA	00000000	F1	00	00000000	2
CLK 12	FF5D5E37	94054000	00056934	94054000	00C00000	00000000	00A80AFD	00000000	F1	00	00000000	5
CLK 13	007F628A	E5015000	FFD7578D	E5015000	00000000	00000000	00A80AFD	00000000	F1	FF	00000000	0
CLK 14	001FD8A2	B9405400	001FD8A2	B9405400	00000000	00000000	015015FA	00000000	F1	FF	00000000	6
PH 08	001FD8A2	B9405400	001FD8A2	B9405400	00000000	00000000	015015FA	00000000	F1	FF	00000000	6
PH 09	FFE0275D	46BFAC00	001FD8A2	B9405400	00000000	00000000	015015FA	00000000	F1	FF	46BFAC00	6
PH 10	FFE0275D	46BFAC00	001FD8A2	B9405400	00000000	00000000	015015FA	00000000	0E	FF	CE0275D	6

TEST NO	FC	R	EW	RU1	EWU1								
FMS 18	5	D2568CA9	B123F65A										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	03568CA9	D2000000	00000000	00000000	00000000	00000000	00000000	00000000	0E	FF	D2568CA9	6	
PH 02	0323F65A	B1000000	FF568CA9	D2000000	00953D6A	00000000	00000000	00000000	00	05	B123F65A	0	
PH 03	0032C64E	F8800000	FF568CA9	A0000000	00953D6A	00000000	FF23F65A	B1800000	00	05	00000000	0	
PH 04	0032C64E	00000000	FF568CA9	00000000	00953D6A	00000000	FF23F65A	B1800000	FB	05	00000000	0	
PH 07	00000000	00000000	FF568CA9	00000000	00953D6A	00000000	FF23F65A	00000000	FB	05	00000000	0	
CLK 02	FF23F65A	00000000	00000000	00000000	0054F5A8	00000000	FF23F65A	00000000	FB	05	00000000	4	
CLK 03	FE10EA4A	80000000	FFC8FD96	80000000	0053D6A0	00000000	FE47ECB4	00000000	FB	04	00000000	2	
CLK 04	F0CC2746	A0000000	FF843A92	A0000000	004F5A80	00000000	FE47ECB4	00000000	FB	04	00000000	6	
CLK 05	FDBAF685	A8000000	FF7309D1	A8000000	003D6A00	00000000	FE47ECB4	00000000	FB	03	00000000	2	
CLK 06	FF6EBDA1	6A000000	FF6EBDA1	6A000000	00F5A800	00000000	FE47ECB4	00000000	FB	03	00000000	6	
CLK 07	0087B90E	5A800000	FFDBAF68	5A800000	00D6A000	00000000	FF23F65A	00000000	FB	02	00000000	1	
CLK 08	002DEE43	96A00000	002DEE43	96A00000	005A8000	00000000	FE47ECB4	00000000	FB	02	00000000	7	
CLK 09	00E78536	E5A80000	00087B90	E5A80000	006A0000	00000000	FF23F65A	00000000	FB	01	00000000	1	
CLK 10	0115EAF3	B96A0000	0039E14D	B96A0000	00A80000	00000000	FF23F65A	00000000	FB	01	00000000	5	
CLK 11	FE8D6770	EE5A8000	00457ABC	EE5A8000	00A00000	00000000	FE47ECB4	00000000	FB	00	00000000	2	
CLK 12	FEC75036	3B96A000	FFA359DC	3B96A000	00800000	00000000	FF23F65A	00000000	FB	00	00000000	4	
CLK 13	FED5CA67	8EE5A800	FFB1D40D	8EE5A800	00000000	00000000	FF23F65A	00000000	FB	FF	00000000	0	
CLK 14	00917C3F	E3B96A00	FFB57299	E3B96A00	00000000	00000000	FF23F65A	00000000	FB	FF	00000000	5	
PH 08	00917C3F	E3B96A00	00917C3F	E3B96A00	00000000	00000000	FF23F65A	00000000	FB	FF	00000000	5	
PH 09	00917C3F	E3B96A00	00917C3F	E3B96A00	00000000	00000000	FF23F65A	00000000	FB	FF	E3B96A00	5	
PH 10	00917C3F	E3B96A00	00917C3F	E3B96A00	00000000	00000000	FF23F65A	00000000	FB	FF	3B917C3F	5	

TEST NO	FC	R	EW	RU1	EWU1								
FMS 19	5	34284031	385F8073										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00284031	34000000	00000000	00000000	00000000	00000000	00000000	00000000	FB	FF	34284031	5	
PH 02	005F8073	38000000	00284031	34000000	008C0214	00000000	00000000	00000000	00	05	385F8073	0	
PH 03	0087C0A4	EC000000	00284031	B4000000	008C0214	00000000	005F8073	38000000	00	05	00000000	0	
PH 04	0087C0A4	00000000	00284031	00000000	008C0214	00000000	005F8073	38000000	EC	05	00000000	0	
PH 07	00000000	00000000	00284031	00000000	008C0214	00000000	005F8073	00000000	EC	05	00000000	0	
CLK 02	005F8073	00000000	00000000	00000000	00300850	00000000	005F8073	00000000	EC	05	00000000	4	
CLK 03	0017E01C	C0000000	0017E01C	C0000000	00C02140	00000000	008F00E6	00000000	EC	04	00000000	2	
CLK 04	FFA67794	30000000	0005F807	30000000	00085000	00000000	005F8073	00000000	EC	04	00000000	5	
CLK 05	00491E58	0C000000	FFE99DE5	0C000000	00021400	00000000	005F8073	00000000	EC	03	00000000	0	
CLK 06	00124796	03000000	00124796	03000000	00085000	00000000	008F00E6	00000000	EC	03	00000000	6	
CLK 07	000491F5	80C00000	000491E5	80C00000	00214000	00000000	008F00E6	00000000	EC	02	00000000	2	
CLK 08	00012479	60300000	00012479	60300000	00850000	00000000	008F00E6	00000000	EC	02	00000000	6	
CLK 09	005FC991	580C0000	0000491E	580C0000	00140000	00000000	005F8073	00000000	EC	01	00000000	0	
CLK 10	0017F264	56030000	0017F264	56030000	00500000	00000000	008F00E6	00000000	EC	01	00000000	6	
CLK 11	00C4FD7F	1580C000	0005FC99	1580C000	00400000	00000000	008F00E6	00000000	EC	00	00000000	2	
CLK 12	00F04045	C5603000	00313F5F	C5603000	00000000	00000000	008F00E6	00000000	EC	00	00000000	6	
CLK 13	003C1011	71580C00	003C1011	71580C00	00000000	00000000	008F00E6	00000000	EC	FF	00000000	2	
CLK 14	000F0404	5C560300	000F0404	5C560300	00000000	00000000	008F00E6	00000000	EC	FF	00000000	6	
PH 08	000F0404	5C560300	000F0404	5C560300	00000000	00000000	008F00E6	00000000	EC	FF	00000000	6	
PH 09	00F04045	C5603000	00F04045	C5603000	00000000	00000000	008F00E6	00000000	EB	FF	C5603000	6	
PH 10	00F04045	C5603000	00F04045	C5603000	00000000	00000000	008F00E6	00000000	EB	FF	28F04045	6	

TEST N°	FC	R	EW	RUI	EWU1								
FMS 20	5	AFA041E6	2D8E2FD4										
CYCLE	S(45*71)	S(00*31)	A(47*71)	A(00*31)	B(48*71)	B(00*31)	D(46*71)	D(00*31)	E	F	FP	SW	
PH 01	03A041E6	AF000000	00000000	00000000	00000000	00000000	00000000	00000000	EB	FF	AFA041E6	6	
PH 02	008E2FD4	2D000000	FFA041E6	AF000000	00678205	00000000	00000000	00000000	00	05	2D8E2FD4	0	
PH 03	002E71BA	FD000000	FFA041E6	00000000	00678205	00000000	008E2FD4	2D000000	00	05	00000000	0	
PH 04	002E71BA	00000000	FFA041E6	00000000	00678205	00000000	008E2FD4	2D000000	FD	05	00000000	1	
PH 07	00000000	00000000	FFA041E6	00000000	00678205	00000000	008E2FD4	00000000	FD	05	00000000	1	
CLK 02	011C5FA8	00000000	00000000	00000000	009E0814	00000000	011C5FA8	00000000	FD	05	00000000	6	
CLK 03	01637792	00000000	004717EA	00000000	00782050	00000000	011C5FA8	00000000	FD	04	00000000	2	
CLK 04	00E70DB8	80000000	00580DE4	80000000	00E08140	00000000	008E2FD4	00000000	FD	04	00000000	4	
CLK 05	0039C36E	20000000	0039C36E	20000000	00820500	00000000	011C5FA8	00000000	FD	03	00000000	2	
CLK 06	012AD083	88000000	000E70DB	88000000	00081400	00000000	011C5FA8	00000000	FD	03	00000000	6	
CLK 07	FFBC844C	E2000000	004AB470	E2000000	00205000	00000000	008E2FD4	00000000	FD	02	00000000	1	
CLK 08	FFEF2113	38800000	FFEF2113	38800000	00814000	00000000	011C5FA8	00000000	FD	02	00000000	7	
CLK 09	FF6D9870	CE200000	FFFBC844	CE200000	00050000	00000000	008E2FD4	00000000	FD	01	00000000	1	
CLK 10	FFDB661C	33880000	FFDB661C	33880000	00140000	00000000	011C5FA8	00000000	FD	01	00000000	7	
CLK 11	FFF6D987	0CE20000	FFF6D987	0CE20000	00500000	00000000	011C5FA8	00000000	FD	0C	00000000	3	
CLK 12	011A1609	C3388000	FFFDB661	C3388000	00400000	00000000	011C5FA8	00000000	FD	00	00000000	6	
CLK 13	00D4B556	70CE2000	00468582	70CE2000	00000000	00000000	008E2FD4	00000000	FD	FF	00000000	0	
CLK 14	00352D55	9C338800	00352D55	9C338800	00000000	00000000	011C5FA8	00000000	FD	FF	00000000	6	
PH 08	00352D55	9C338800	00352D55	9C338800	00000000	00000000	011C5FA8	00000000	FD	FF	00000000	6	
PH 09	FFCAD2AA	63CC7800	FFCAD2AA	63CC7800	00000000	00000000	011C5FA8	00000000	FD	FF	63CC7800	6	
PH 10	FFCAD2AA	63CC7800	00352D55	9C338800	00000000	00000000	011C5FA8	00000000	02	FF	C2CAD2AA	6	

TEST N°	FC	R	EW	RUI	EWU1								
FMS 21	5	1A963D9E	AD6950C1										
CYCLE	S(45*71)	S(00*31)	A(47*71)	A(00*31)	B(48*71)	B(00*31)	D(46*71)	D(00*31)	E	F	FP	SW	
PH 01	00963D9E	1A000000	00000000	00000000	00000000	00000000	00000000	00000000	02	FF	1A963D9E	6	
PH 02	036950C1	AD000000	00963D9E	1A000000	00798C69	00000000	00000000	00000000	00	05	AD6950C1	0	
PH 03	012CECDC	EC800000	00963D9E	9A000000	00798C69	00000000	FF6950C1	AD800000	00	05	00000000	0	
PH 04	012CECDC	00000000	00963D9E	00000000	00798C69	00000000	FF6950C1	AD800000	EC	05	00000000	1	
PH 07	00000000	00000000	00963D9E	00000000	00798C69	00000000	FF6950C1	00000000	EC	05	00000000	1	
CLK 02	FED2A182	00000000	00000000	00000000	00E6F1A4	00000000	FED2A182	00000000	EC	05	00000000	6	
CLK 03	FB94A860	80000000	FFR4A860	80000000	0093C690	00000000	FED2A182	00000000	EC	04	00000000	2	
CLK 04	FEBFCB9A	20000000	FFED2A18	20000000	006F1A40	00000000	FED2A182	00000000	EC	04	00000000	6	
CLK 05	FF1943A7	88000000	FFAFF2E6	88000000	00B69000	00000000	FF6950C1	00000000	EC	03	00000000	0	
CLK 06	FE98F268	E2000000	FFC650E9	E2000000	00F1A400	00000000	FED2A182	00000000	EC	03	00000000	6	
CLK 07	FFA63C9A	F8800000	FFA63C9A	F8800000	00C69000	00000000	FED2A182	00000000	EC	02	00000000	2	
CLK 08	FFE98F26	BE200000	FFE98F26	BE200000	001A4000	00000000	FED2A182	00000000	EC	02	00000000	6	
CLK 09	00911308	AF880000	FFFA63C9	AF880000	00690000	00000000	FF6950C1	00000000	EC	01	00000000	1	
CLK 10	FEF6E644	29E20000	002444C2	29E20000	00A40000	00000000	FED2A182	00000000	EC	01	00000000	6	
CLK 11	FE905913	0AF88000	FFBD8991	0AF88000	00930000	00000000	FED2A182	00000000	EC	00	00000000	2	
CLK 12	FE76B846	C2BE2000	FFA416C4	C2BE2000	00400000	00000000	FED2A182	00000000	EC	00	00000000	6	
CLK 13	FF06FED2	90AF8800	FF9DAE11	90AF8800	00000000	00000000	FF6950C1	00000000	EC	FF	00000000	0	
CLK 14	00586EF3	AC2BE200	FFC18FB4	AC2BE200	00000000	00000000	FF6950C1	00000000	EC	FF	00000000	5	
PH 08	00586EF3	AC2BE200	00586EF3	AC2BE200	00000000	00000000	FF6950C1	00000000	EC	FF	00000000	5	
PH 09	FFA7910C	53D41E00	00586EF3	AC2BE200	00000000	00000000	FF6950C1	00000000	EC	FF	00000000	5	
PH 10	FFA7910C	53D41E00	00586EF3	AC2BE200	00000000	00000000	FF6950C1	00000000	13	FF	D3A7910D	5	

TEST N°	FC	R	EW	RU1	EWU1	O							
FMS	22	5	28741896	47630A6B									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00741896	28000000	00000000	00000000	00000000	00000000	00000000	00000000	13	FF	28741896	5	
PH 02	00630A6B	47000000	00741896	28000000	0069D82E	00000000	00000000	00000000	00	05	47630A6B	0	
PH 03	00072601	EF000000	00741896	A8000000	0069D82E	00000000	00630A6B	47000000	00	05	00000000	0	
PH 04	00072601	00000000	00741896	00000000	0069D82E	00000000	00630A6B	47000000	EF	05	00000000	0	
PH 07	00000000	00000000	00741896	00000000	0069D82E	00000000	00630A6B	00000000	EF	05	00000000	0	
CLK 02	00C614D6	00000000	00000000	00000000	00A760B8	00000000	00C614D6	00000000	EF	05	00000000	6	
CLK 03	00948FA0	80000000	00318535	80000000	009D82E0	00000000	00630A6B	00000000	EF	04	00000000	0	
CLK 04	00882E53	20000000	002523E8	20000000	00760B80	00000000	00630A6B	00000000	EF	04	00000000	4	
CLK 05	00E8206A	C8000000	00220B94	C8000000	00082E00	00000000	00C614D6	00000000	EF	03	00000000	2	
CLK 06	FFD6FDAF	B2000000	003A081A	B2000000	0060B800	00000000	00630A6B	00000000	EF	03	00000000	5	
CLK 07	FF92B500	EC800000	FF5BF6B	EC800000	0082E000	00000000	00630A6B	00000000	EF	02	00000000	1	
CLK 08	00AAC216	3B200000	FFE4A040	3B200000	000B8000	00000000	00C614D6	00000000	EF	02	00000000	6	
CLK 09	002AB0R5	8EC80000	002AB0R5	8FC80000	002E0000	00000000	00C614D6	00000000	EF	01	00000000	2	
CLK 10	000AAC21	63B20000	000AAC21	63B20000	00880000	00000000	00C614D6	00000000	EF	01	00000000	6	
CLK 11	0065B573	58EC8000	0002A308	58EC8000	00E00000	00000000	00630A6B	00000000	EF	00	00000000	0	
CLK 12	FFB662F1	D63B2000	00196D5C	D63B2000	00800000	00000000	00630A6B	00000000	EF	00	00000000	5	
CLK 13	00B3AD92	758EC800	FFED98BC	758EC800	00000000	00000000	00C614D6	00000000	EF	FF	00000000	2	
CLK 14	002CEB64	9D63B200	002CEB64	9D63B200	00000000	00000000	00C614D6	00000000	EF	FF	00000000	6	
PH 08	002CEB64	9D63B200	002CEB64	9D63B200	00000000	00000000	00C614D6	00000000	EF	FF	00000000	6	
PH 09	002CEB64	9D63B200	002CEB64	9D63B200	00000000	00000000	00C614D6	00000000	EF	FF	9D63B200	6	
PH 10	002CEB64	9D63B200	002CEB64	9D63B200	00000000	00000000	00C614D6	00000000	EF	FF	2F2CEB64	6	

TEST N°	FC	R	EW	RU1	EWU1	O							
FMS	23	5	035216FB	69A52C8D									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	005216FB	03000000	00000000	00000000	00300000	00000000	00000000	00000000	EF	FF	035216FB	6	
PH 02	00A52C8D	69000000	005216FB	03000000	00DF684A	00000000	00000000	00000000	00	05	69A52C8D	0	
PH 03	00F743B8	EC000000	005216FB	R3000000	00DF684A	00000000	00A52C8D	69000000	00	05	00000000	0	
PH 04	00F743B8	00000000	005216FB	00000000	00DF684A	00000000	00A52C8D	69000000	EC	05	00000000	0	
PH 07	00000000	00000000	005216FB	00000000	00DF684A	00000000	00A52C8D	00000000	EC	05	00000000	0	
CLK 02	FF5AD343	00000000	00000000	00000000	007DA128	00000000	00A52C8D	00000000	EC	05	00000000	5	
CLK 03	FF318813	C0000000	FFD6B4D0	C0000000	00F684A0	00000000	00A52C8D	00000000	EC	04	00000000	1	
CLK 04	FFCC6204	F0000000	FFCC6204	F0000000	00A12800	00000000	014A597A	00000000	EC	04	00000000	7	
CLK 05	FFF31881	3C000000	FFF31881	3C000000	00684A00	00000000	014A597A	00000000	EC	03	00000000	3	
CLK 06	FF579963	4F000000	FFFCC620	4F000000	00A12800	00000000	00A52C8D	00000000	EC	03	00000000	5	
CLK 07	01203F02	D3C00000	FFD5E65R	D3C00000	00R4A000	00000000	014A597A	00000000	EC	02	00000000	2	
CLK 08	00FD3C81	R4F00000	00480FF4	R4F00000	00128000	00000000	00A52C8D	00000000	EC	02	00000000	4	
CLK 09	003B4F2C	6D3C0000	003B4F2C	6D3C0000	004A0000	00000000	014A597A	00000000	EC	01	00000000	2	
CLK 10	01592D45	1B4F0000	00ED3CB	1B4F0000	00280000	00000000	014A597A	00000000	EC	01	00000000	6	
CLK 11	00564B51	46D3C000	00564B51	46D3C000	00A00000	00000000	014A597A	00000000	EC	00	00000000	2	
CLK 12	00B8BF91	51B4F000	001592D4	51B4F000	00800000	00000000	00A52C8D	00000000	EC	00	00000000	4	
CLK 13	00D3DCA1	546D3C00	002EAFE4	546D3C00	00000000	00000000	00A52C8D	00000000	EC	FF	00000000	0	
CLK 14	0034F728	551B4F00	0034F728	551B4F00	00000000	00000000	014A597A	00000000	EC	FF	00000000	6	
PH 08	0034F728	551B4F00	0034F728	551B4F00	00000000	00000000	014A597A	00000000	EC	FF	00000000	6	
PH 09	0034F728	551B4F00	0034F728	551B4F00	00000000	00000000	014A597A	00000000	EC	FF	00000000	6	
PH 10	0034F728	551B4F00	0034F728	551B4F00	00000000	00000000	014A597A	00000000	EC	FF	2C34F728	6	

TEST NO	FC	R	EW	RU1	EWU1							
FMS 24	5	2508753F	43043218									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	0008753F	25000000	00000000	00000000	00000000	00000000	00000000	00000000	EC	FF	2508753F	6
PH 02	00043218	43000000	0008753F	25000000	00FCAE10	00000000	00000000	00000000	00	05	43043218	0
PH 03	000CA757	E8000000	0008753F	A5000000	00FCAE10	00000000	00043218	43000000	00	05	00000000	0
PH 04	000CA757	00000000	0008753F	00000000	00FCAE10	00000000	00043218	43000000	E8	05	00000000	1
PH 05	00043218	00000000	0008753F	00000000	00FCAE10	00000000	00043218	00000000	E8	05	00000000	0
CLK 02	00432180	00000000	00432180	00000000	00FCAE10	00000000	0008753F	00000000	E7	05	00000000	1
PH 06	0008753F	00000000	00432180	00000000	00FCAE10	00000000	0008753F	00000000	E7	05	00000000	0
CLK 02	008753F0	00000000	008753F0	00000000	00FCAE10	00000000	00432180	00000000	E6	04	00000000	0
PH 07	00000000	00000000	008753F0	00000000	00FCAE10	00000000	00432180	00000000	E6	04	00000000	0
CLK 02	FFFBCDE8	00000000	00000000	00000000	00F2B840	00000000	00432180	00000000	E6	04	00000000	5
CLK 03	FFFEF37A0	00000000	FFFEF37A0	00000000	00CAE100	00000000	00864300	00000000	E6	03	00000000	3
CLK 04	FFFBCDE8	00000000	FFFBCDE8	00000000	002B8400	00000000	00864300	00000000	E6	03	00000000	7
CLK 05	004214FA	00000000	FFFEF37A	00000000	00AE1000	00000000	00432180	00000000	E6	02	00000000	0
CLK 06	0053A6BE	80000000	0010853E	80000000	00B84000	00000000	00432180	00000000	E6	02	00000000	4
CLK 07	00580B2F	A0000000	0014E9AF	A0000000	00E10000	00000000	00432180	00000000	E6	01	00000000	0
CLK 08	FFD2E14B	E8000000	001602CB	E8000000	00B40000	00000000	00432180	00000000	E6	01	00000000	5
CLK 09	007AFB52	FA000000	FFF48852	FA000000	00100000	00000000	00864300	00000000	E6	00	00000000	2
CLK 10	001EBED4	BE800000	001EBED4	BE800000	00400000	00000000	00864300	00000000	E6	00	00000000	6
CLK 11	008DF295	2FA00000	0007AFB5	2FA00000	00000000	00000000	00864300	00000000	E6	FF	00000000	2
CLK 12	00237CAD	4BE80000	00237CAD	4BE80000	00000000	00000000	00864300	00000000	E6	FF	00000000	6
PH 08	00237CAD	4BE80000	00237CAD	4BE80000	00000000	00000000	00864300	00000000	E6	FF	00000000	6
PH 09	00237CAD	4BE80000	00237CAD	4BE80000	00000000	00000000	00864300	00000000	E6	FF	00000000	6
PH 10	00237CAD	4BE80000	00237CAD	4BE80000	00000000	00000000	00864300	00000000	E6	FF	26237CAD	6

TEST NO	FC	R	EW	RU1	EWU1							
FMS 25	5	2182FDD8	4A1FEA60									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	0082FDD8	21000000	00000000	00000000	00000000	00000000	00000000	00000000	E6	FF	2182FDD8	6
PH 02	001FEA60	4A000000	0082FDD8	21000000	001BBF41	00000000	00000000	00000000	00	05	4A1FEA60	0
PH 03	00A2E838	E8000000	0082FDD8	A1000000	001BBF41	00000000	001FEA60	4A000000	00	05	00000000	0
PH 04	00A2E838	00000000	0082FDD8	00000000	001BBF41	00000000	001FEA60	4A000000	EB	05	00000000	0
PH 07	00000000	00000000	0082FDD8	00000000	001BBF41	00000000	001FEA60	00000000	E3	05	00000000	0
CLK 02	00000000	00000000	00000000	00000000	006EFD04	00000000	003FD4C0	00000000	EB	05	00000000	6
CLK 03	003FD4C0	00000000	00000000	00000000	00BBF410	00000000	003FD4C0	00000000	EB	04	00000000	2
CLK 04	002FDF90	00000000	000FF530	00000000	00EFD040	00000000	001FEA60	00000000	E3	04	00000000	4
CLK 05	FFEC0584	00000000	000BF7E4	00000000	00BF4100	00000000	001FEA60	00000000	EB	03	00000000	1
CLK 06	003AD821	00000000	FFFBO361	00000000	00FD0400	00000000	003FD4C0	00000000	EB	03	00000000	6
CLK 07	FFEECBAB	40000000	000EB608	40000000	00F41000	00000000	001FEA60	00000000	E3	02	00000000	1
CLK 08	FFFB92EA	10000000	FFFBB2EA	10000000	00D04000	00000000	003FD4C0	00000000	EB	02	00000000	7
CLK 09	FFFECCBA	84000000	FFFECCBA	84000000	00410000	00000000	003FD4C0	00000000	EB	01	00000000	3
CLK 10	FFDFDOCE	A1000000	FFFBB2E	A1000000	00040000	00000000	001FEA60	00000000	EB	01	00000000	5
CLK 11	0017DE93	A8400000	FFF7F433	A8400000	00100000	00000000	001FEA60	00000000	EB	00	00000000	0
CLK 12	0005F7A4	EA100000	0005F7A4	EA100000	00400000	00000000	003FD4C0	00000000	EB	00	00000000	6
CLK 13	004132A9	3A840000	00017DE9	3A840000	00000000	00000000	003FD4C0	00000000	EB	FF	00000000	2
CLK 14	001054AA	4EA10000	001054AA	4EA10000	00000000	00000000	003FD4C0	00000000	EB	FF	00000000	6
PH 08	001054AA	4EA10000	001054AA	4EA10000	00000000	00000000	003FD4C0	00000000	EB	FF	00000000	6
PH 09	001054AA	4EA10000	001054AA	4EA10000	00000000	00000000	003FD4C0	00000000	EB	FF	00000000	6
PH 10	001054AA	4EA10000	001054AA	4EA10000	00000000	00000000	003FD4C0	00000000	E3	FF	261054AA	6

TEST NO	FC	R	EW	RU1	EWU1	B							
FMS 26	5	17DA99E6	5A0DC619										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00DA99E6	17000000	00000000	00000000	00000000	00000000	00000000	00000000	EB	FF	17DA99E6	6	
PH 02	000DC619	5A000000	00DA99F6	17000000	0067995B	00000000	00000000	00000000	00	05	5A0DC619	0	
PH 03	00E85FFF	F1000000	00DA99E6	97000000	0067995B	00000000	000DC619	5A000000	00	05	00000000	0	
PH 04	00E85FFF	00000000	00DA99E6	00000000	0067995B	00000000	000DC619	5A000000	F1	05	00000000	1	
PH 05	000DC619	00000000	00DA99E6	00000000	0067995B	00000000	000DC619	00000000	F1	05	00000000	0	
CLK 02	00DC6190	00000000	00DC6190	00000000	0067995B	00000000	00DA99E6	00000000	FO	05	00000000	1	
PH 06	00DA99E6	00000000	00DC6190	00000000	0067995B	00000000	00DA99E6	00000000	FO	05	00000000	0	
PH 07	00000000	00000000	00DA99E6	00000000	0067995B	00000000	00DC6190	00000000	FO	05	00000000	0	
CLK 02	0188C320	00000000	00000000	00000000	009E656C	00000000	0188C320	00000000	FO	05	00000000	6	
CLK 03	014A9258	00000000	006E30C8	00000000	007995B0	00000000	00DC6190	00000000	FO	04	00000000	0	
CLK 04	020B67B6	00000000	0052A496	00000000	00E656C0	00000000	0188C320	00000000	FO	04	00000000	6	
CLK 05	FFA6785D	80000000	0082D9ED	80000000	00995B00	00000000	00DC6190	00000000	FO	03	00000000	1	
CLK 06	01A26137	60000000	FFE99E17	60000000	00656C00	00000000	0188C320	00000000	FO	03	00000000	6	
CLK 07	0221586D	D8000000	0068984D	D8000000	0095B000	00000000	0188C320	00000000	FO	02	00000000	2	
CLK 08	0164886B	76000000	008856DB	76000000	0056C000	00000000	00DC6190	00000000	FO	02	00000000	4	
CLK 09	0211F13A	DD800000	00592E1A	DD800000	005B0000	00000000	0188C320	00000000	FO	01	00000000	2	
CLK 10	023D3F6E	B7600000	00847C4F	B7600000	006C0000	00000000	0188C320	00000000	FO	01	00000000	6	
CLK 11	024812FB	ADD80000	008F4FDB	ADD80000	00800000	00000000	0188C320	00000000	FO	00	00000000	2	
CLK 12	016E664E	EB760000	0092D48E	EB760000	00C00000	00000000	00DC6190	00000000	FO	00	00000000	4	
CLK 13	FF7F3803	8ADD8000	005B9993	8ADD8000	00000000	00000000	00DC6190	00000000	FO	FF	00000000	1	
CLK 14	008C2F90	EEB76000	FFDFCE00	EEB76000	00000000	00000000	00DC6190	00000000	FO	FF	00000000	4	
PH 08	008C2F90	EEB76000	008C2F90	EEB76000	00000000	00000000	00DC6190	00000000	FO	FF	00000000	4	
PH 09	008C2F90	EEB76000	008C2F90	EEB76000	00000000	00000000	00DC6190	00000000	FO	FF	00000000	4	
PH 10	008C2F90	EEB76000	008C2F90	EEB76000	00000000	00000000	00DC6190	00000000	FO	FF	33BC2F90	4	

TEST NO	FC	R	EW	RU1	EWU1	B							
FMS 27	5	15B897C4	41A766B3										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00B897C4	15000000	00000000	00000000	00000000	00000000	00000000	00000000	FO	FF	15B897C4	4	
PH 02	00A766B3	41000000	00B897C4	15000000	0023E91D	00000000	00000000	00000000	00	05	41A766B3	0	
PH 03	015FFE77	D6000000	00B897C4	95000000	0023E91D	00000000	00A766B3	41000000	00	05	00000000	0	
PH 04	015FFE77	00000000	00B897C4	00000000	0023E91D	00000000	00A766B3	41000000	D6	05	00000000	0	
PH 07	00000000	00000000	00B897C4	00000000	0023E91D	00000000	00A766B3	00000000	D6	05	00000000	0	
CLK 02	00000000	00000000	00000000	00000000	008FA474	00000000	014ECD66	00000000	D6	05	00000000	6	
CLK 03	00A766B3	00000000	00000000	00000000	003E91D0	00000000	00A766B3	00000000	D6	04	00000000	0	
CLK 04	0029D9AC	C0000000	0029D9AC	C0000000	00FA4740	00000000	014ECD66	00000000	D6	04	00000000	6	
CLK 05	FF630FB8	30000000	000A766B	30000000	00E91D00	00000000	00A766B3	00000000	D6	03	00000000	1	
CLK 06	FFD8C3FE	0C000000	FFD8C3FE	0C000000	00A47400	00000000	014ECD66	00000000	D6	03	00000000	7	
CLK 07	0144FE61	83000000	FFF630FB	83000000	0091D000	00000000	014ECD66	00000000	D6	02	00000000	2	
CLK 08	00F8A64B	60C00000	00513F98	60C00000	00474000	00000000	00A766B3	00000000	D6	02	00000000	4	
CLK 09	018CF6F8	D8300000	003E2992	D8300000	001D0000	00000000	014ECD66	00000000	D6	01	00000000	2	
CLK 10	00633DBE	360C0000	00633DBE	360C0000	00740000	00000000	014ECD66	00000000	D6	01	00000000	6	
CLK 11	01679CD5	8D830000	0018CF6F	8D830000	00000000	00000000	014ECD66	00000000	D6	00	00000000	2	
CLK 12	FFR28092	6360C000	0059E735	6360C000	00400000	00000000	00A766B3	00000000	D6	00	00000000	5	
CLK 13	FF45396D	98D83000	FFECA020	98D83000	00000000	00000000	00A766B3	00000000	D6	FF	00000000	1	
CLK 14	0078950E	66360C00	FFD14E5B	66360C00	00000000	00000000	00A766B3	00000000	D6	FF	00000000	4	
PH 08	0078950E	66360C00	0078B50E	66360C00	00000000	00000000	00A766B3	00000000	D6	FF	00000000	4	
PH 09	0078950E	66360C00	0078B50E	66360C00	00000000	00000000	00A766B3	00000000	D6	FF	00000000	4	
PH 10	0078950E	66360C00	0078B50E	66360C00	00000000	00000000	00A766B3	00000000	D6	FF	1678B50E	4	

TEST NO	FC	R	EW	RU1	EWU1	B							
FMS 28	5	136AF5B2	26C9BAD5										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	006AF5B2	13000000	00000000	00000000	00000000	00000000	00000000	00000000	D6	FF	136AF5B2	4	
PH 02	00C9BAD5	26000000	006AF5B2	13000000	004DAF56	00000000	00000000	00000000	00	05	26C9BAD5	0	
PH 03	0134B087	B9000000	006AF5B2	93000000	004DAF56	00000000	00C9BAD5	26000000	00	05	00000000	0	
PH 04	0134B087	00000000	006AF5B2	00000000	004DAF56	00000000	00C9BAD5	26000000	B9	05	00000000	0	
PH 07	00000000	00000000	006AF5B2	00000000	004DAF56	00000000	00C9BAD5	00000000	B9	05	00000000	0	
CLK 02	019375AA	00000000	00000000	00000000	0036BD58	00000000	019375AA	00000000	B9	05	00000000	6	
CLK 03	0064DD6A	80000000	0064DD6A	80000000	005AF560	00000000	019375AA	00000000	B9	04	00000000	2	
CLK 04	FF4F7C95	A0000000	0019375A	A0000000	006BD580	00000000	00C9BAD5	00000000	B9	04	00000000	5	
CLK 05	FF0A244C	68000000	FFD3DF21	68000000	00AF5600	00000000	00C9BAD5	00000000	B9	03	00000000	1	
CLK 06	0155FEBD	1A000000	FFC28913	1A000000	00BD5800	00000000	019375AA	00000000	B9	03	00000000	6	
CLK 07	011F3A84	46800000	00557FAF	46800000	00F56000	00000000	00C9BAD5	00000000	B9	02	00000000	0	
CLK 08	FF7E13CC	11A00000	0047CEA1	11A00000	00D58000	00000000	00C9BAD5	00000000	B9	02	00000000	5	
CLK 09	FFDF84F3	04680000	FFDF84F3	04680000	00560000	00000000	019375AA	00000000	B9	01	00000000	3	
CLK 10	FF2E2667	C11A0000	FFF7E13C	C11A0000	00580000	00000000	00C9BAD5	00000000	B9	01	00000000	5	
CLK 11	FF01CEC4	F0468000	FFC89999	F0468000	00600000	00000000	00C9BAD5	00000000	B9	00	00000000	1	
CLK 12	FEF6B8DC	3C11A000	FFC073B1	3C11A000	00800000	00000000	00C9BAD5	00000000	B9	00	00000000	5	
CLK 13	015123E1	0F046800	FFBDAE37	0F046800	00000000	00000000	019375AA	00000000	B9	FF	00000000	2	
CLK 14	005448F8	43C11A00	005448F8	43C11A00	00000000	00000000	019375AA	00000000	B9	FF	00000000	6	
PH 08	005448F8	43C11A00	005448F8	43C11A00	00000000	00000000	019375AA	00000000	B9	FF	00000000	6	
PH 09	005448F8	43C11A00	005448F8	43C11A00	00000000	00000000	019375AA	00000000	B9	FF	00000000	6	
PH 10	005448F8	43C11A00	005448F8	43C11A00	00000000	00000000	019375AA	00000000	B9	FF	00000000	6	

TEST NO	FC	R	EW	RU1	EWU1	B							
FMS 29	5	F3578058	51234034										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	03578058	F3000000	00000000	00000000	00000000	00000000	00000000	00000000	B9	FF	F3578058	6	
PH 02	00234034	51000000	FF578058	F3000000	001A01EA	00000000	00000000	00000000	00	05	51234034	0	
PH 03	FF7AC08C	0D000000	FF578058	8C000000	001A01EA	00000000	00234034	51000000	00	05	00000000	0	
PH 04	FF7AC08C	00000000	FF578058	00000000	001A01EA	00000000	00234034	51000000	DD	05	00000000	1	
PH 07	00000000	00000000	FF578058	00000000	001A01EA	00000000	00234034	00000000	DD	05	00000000	0	
CLK 02	00000000	00000000	00000000	00000000	006807A8	00000000	00468068	00000000	DD	05	00000000	7	
CLK 03	00468068	00000000	00000000	00000000	00A01EA0	00000000	00468068	00000000	DD	C4	00000000	2	
CLK 04	00582092	00000000	0011A01A	00000000	00807A80	00000000	00468068	00000000	DD	04	00000000	6	
CLK 05	005C8988	80000000	00160820	80000000	0001EA00	00000000	00468068	00000000	DD	03	00000000	2	
CLK 06	FFF3E1EE	20000000	00172222	20000000	0007A800	00000000	00234034	00000000	DD	03	00000000	5	
CLK 07	FFF3E1EE	88000000	FFF3E1EE	88000000	001EA000	00000000	00468068	00000000	DD	02	00000000	3	
CLK 08	FFF3E1EE	E2000000	FFF3E1EE	E2000000	007A8000	00000000	00468068	00000000	DD	02	00000000	7	
CLK 09	00464FFF	B8800000	FFF3E1EE	B8800000	00EA0000	00000000	00468068	00000000	DD	01	00000000	2	
CLK 10	001193FB	EE200000	001193FB	EE200000	00A80000	00000000	00468068	00000000	DD	01	00000000	6	
CLK 11	004AE566	F8800000	000464FE	F8800000	00A00000	00000000	00468068	00000000	DD	00	00000000	2	
CLK 12	005939C1	BEE20000	0012B959	BEE20000	00800000	00000000	00468068	00000000	DD	00	00000000	6	
CLK 13	005CCED8	6FB88000	00164E70	6FB88000	00000000	00000000	00468068	00000000	DD	FF	00000000	2	
CLK 14	001733B6	1BEE2000	001733B6	1BEE2000	00000000	00000000	00468068	00000000	DD	FF	00000000	6	
PH 08	001733B6	1BEE2000	001733B6	1BEE2000	00000000	00000000	00468068	00000000	DD	FF	00000000	6	
PH 09	FFF8CC49	E411E000	001733B6	1BEE2000	00000000	00000000	00468068	00000000	DD	FF	00000000	6	
PH 10	FFE8CC4A	E411E000	001733B6	1BEE2000	00000000	00000000	00468068	00000000	DD	FF	E2E8CC4A	6	

TEST NO	FC	R	EW	RU1	EWU1								
FMS 30	5	C08DDF82	06AEF1A4										
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	038DDF82	C0000000	00000000	00000000	00000000	00000000	00000000	00000000	22	FF	C08DDF82	6	
PH 02	00AEF1A4	06000000	FF8DDF82	C0000000	0041FBB1	00000000	00000000	00000000	00	05	06AEF1A4	0	
PH 03	003CD126	C5000000	FF8DDF82	Bf000000	0041FBB1	00000000	00AEF1A4	06000000	00	05	00000000	0	
PH 04	003CD126	00000000	FF8DDF82	00000000	0041FBB1	00000000	00AEF1A4	06000000	C5	05	00000000	1	
PH 07	00000000	00000000	FF8DDF82	00000000	0041FBB1	00000000	00AEF1A4	00000000	C5	05	00000000	1	
CLK 02	015DE348	00000000	00000000	00000000	0007EEC4	00000000	015DE348	00000000	C5	05	00000000	6	
CLK 03	FFA8872E	00000000	00577802	00000000	001FBB10	00000000	00AEF1A4	00000000	C5	04	00000000	1	
CLK 04	FFEA21CB	80000000	FFEA21CB	80000000	007EEC40	00000000	015DE348	00000000	C5	04	00000000	7	
CLK 05	015865BA	E0000000	FFFA8872	E0000000	00FB10	00000000	015DE348	00000000	C5	03	00000000	2	
CLK 06	00561AE	B8000000	00561AE	B8000000	00EEC400	00000000	015DE348	00000000	C5	03	00000000	6	
CLK 07	0015865B	AE000000	0015865B	AE000000	00B31000	00000000	015DE348	00000000	C5	02	00000000	2	
CLK 08	016344F6	EB800000	000561AE	EB800000	00EC4000	00000000	015DE348	00000000	C5	02	00000000	6	
CLK 09	0058D13D	BAE00000	0058D13D	BAE00000	00B10000	00000000	015DE348	00000000	C5	01	00000000	2	
CLK 10	01741797	6EB80000	0016344F	6EB80000	00C40000	00000000	015DE348	00000000	C5	01	00000000	6	
CLK 11	005D05E5	DBAE0000	005D05E5	DBAE0000	00100000	00000000	015DE348	00000000	C5	00	00000000	2	
CLK 12	FF684FD5	76EB8000	00174179	76EB8000	00400000	00000000	00AEF1A4	00000000	C5	00	00000000	5	
CLK 13	0137F73D	5DBAE000	FFDA13F5	5DBAE000	00000000	00000000	015DE348	00000000	C5	FF	00000000	2	
CLK 14	004DFDC	576EB800	004DFDC	576EB800	00000000	00000000	015DE348	00000000	C5	FF	00000000	6	
PH 08	004DFDC	576EB800	004DFDC	576EB800	00000000	00000000	015DE348	00000000	C5	FF	00000000	6	
PH 09	FFB20230	A8914800	004DFDC	576EB800	00000000	00000000	015DE348	00000000	C5	FF	00000000	6	
PH 10	FFB20231	A8914800	004DFDC	576EB800	00000000	00000000	015DE348	00000000	3A	FF	FAB20231	6	

TEST NO	FC	R	EW	RU1	EWU1								
FMS 31	5	E699AD73	3D60DA5										
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	0399AD73	E6000000	00000000	00000000	00000000	00000000	00000000	00000000	3A	FF	E699AD73	6	
PH 02	0060DA5	3D000000	FF99AD73	E6000000	00CEB599	00000000	00000000	00000000	00	05	3D60DA5	0	
PH 03	FFFA7E18	06000000	FF99AD73	99000000	00CEB599	00000000	0060DA5	3D000000	00	05	00000000	0	
PH 04	FFFA7E18	00000000	FF99AD73	00000000	00CEB599	00000000	0060DA5	3D000000	D6	05	00000000	1	
PH 07	00000000	00000000	FF99AD73	00000000	00CEB599	00000000	0060DA5	00000000	D6	05	00000000	1	
CLK 02	0060DA5	00000000	00000000	00000000	003AD664	00000000	0060DA5	00000000	D6	05	00000000	4	
CLK 03	FFB76384	40000000	00183429	40000000	00E35990	00000000	0060DA5	00000000	D6	04	00000000	1	
CLK 04	004EA986	10000000	FFEDD8E1	10000000	00AD6640	00000000	0060DA5	00000000	D6	04	00000000	4	
CLK 05	00D54BAB	84000000	0013AA61	84000000	00B59900	00000000	00C1A14A	00000000	D6	03	00000000	2	
CLK 06	00F6F434	E1000000	003552EA	E1000000	00C66400	00000000	00C1A14A	00000000	D6	03	00000000	6	
CLK 07	003DB00D	38400000	003DB00D	38400000	00599000	00000000	00C1A14A	00000000	D6	02	00000000	2	
CLK 08	00703FE8	4E100000	000F6F43	4E100000	00664000	00000000	0060DA5	00000000	D6	02	00000000	4	
CLK 09	007CE09F	13840000	001C0FFA	13840000	00990000	00000000	0060DA5	00000000	D6	01	00000000	0	
CLK 10	00E0D971	C4E10000	001F3827	C4E10000	00440000	00000000	00C1A14A	00000000	D6	01	00000000	6	
CLK 11	00990701	71384000	0038365C	71384000	00900000	00000000	0060DA5	00000000	D6	00	00000000	0	
CLK 12	00E7E30A	5C4E1000	002641C0	5C4E1000	00400000	00000000	00C1A14A	00000000	D6	00	00000000	6	
CLK 13	009AC967	97138400	0039F8C2	97138400	00000000	00000000	0060DA5	00000000	D6	FF	00000000	0	
CLK 14	00268259	E5C4E100	00268259	E5C4E100	00000000	00000000	00C1A14A	00000000	D6	FF	00000000	6	
PH 08	00268259	E5C4F100	00268259	E5C4E100	00000000	00000000	00C1A14A	00000000	D6	FF	00000000	6	
PH 09	FFD94DA6	1A3B1F00	00268259	E5C4E100	00000000	00000000	00C1A14A	00000000	D6	FF	00000000	6	
PH 10	FFD94DA7	1A3B1F00	00268259	E5C4E100	00000000	00000000	00C1A14A	00000000	29	FF	E9D94DA7	6	

TEST N°	FC	R	EW	RU1	EWU1	8							
FMS	32	5	2C798B51	3B667A40									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00798B51	2C000000	00000000	00000000	00000000	00000000	00000000	00000000	29	FF	2C798B51	6	
PH 02	00667A40	3B000000	00798B51	2C000000	008AD19E	00000000	00000000	00000000	00	05	3B667A40	0	
PH 03	00E00591	E7000000	00798B51	AC000000	008AD19E	00000000	00667A40	3B000000	00	05	00000000	0	
PH 04	00E00591	00000000	00798B51	00000000	008AD19E	00000000	00667A40	3B000000	E7	05	00000000	0	
PH 07	00000000	00000000	00798B51	00000000	008AD19E	00000000	00667A40	00000000	E7	05	00000000	0	
CLK 02	00667A40	00000000	00000000	00000000	002B4678	00000000	00667A40	00000000	E7	05	00000000	4	
CLK 03	00199E90	00000000	00199E90	00000000	00AD19E0	00000000	00CF480	00000000	E7	04	00000000	2	
CLK 04	004CE1E4	00000000	000667A4	00000000	00846780	00000000	00667A40	00000000	E7	04	00000000	4	
CLK 05	0081B2B9	00000000	001B3879	00000000	00D19E00	00000000	00667A40	00000000	E7	03	00000000	0	
CLK 06	FFB9F26E	40000000	00206CAE	40000000	00467800	00000000	00667A40	00000000	E7	03	00000000	5	
CLK 07	FF88025B	90000000	FFEE7C9B	90000000	0019E000	00000000	00667A40	00000000	E7	02	00000000	1	
CLK 08	00487A06	E4000000	FFE20096	E4000000	00678000	00000000	00667A40	00000000	E7	02	00000000	4	
CLK 09	00DF1335	B9000000	00121E85	B9000000	009E0000	00000000	00CF480	00000000	E7	01	00000000	2	
CLK 10	009E3F0D	6E400000	0037C4CD	6E400000	00780000	00000000	00667A40	00000000	E7	01	00000000	4	
CLK 11	00F48443	5B900000	00278FC3	5B900000	00E00000	00000000	00CF480	00000000	E7	00	00000000	2	
CLK 12	FFD6A6D0	D6E40000	003D2110	D6E40000	00800000	00000000	00667A40	00000000	E7	00	00000000	5	
CLK 13	00C29E34	35B90000	FFF5A9B4	35B90000	00000000	00000000	00CF480	00000000	E7	FF	00000000	2	
CLK 14	0030A78D	0D6E4000	0030A78D	0D6E4000	00000000	00000000	00CF480	00000000	E7	FF	00000000	6	
PH 08	0030A78D	0D6E4000	0030A78D	0D6E4000	00000000	00000000	00CF480	00000000	E7	FF	00000000	6	
PH 09	0030A78D	0D6E4000	0030A78D	0D6E4000	00000000	00000000	00CF480	00000000	E7	FF	00000000	6	
PH 10	0030A78D	0D6E4000	0030A78D	0D6E4000	00000000	00000000	00CF480	00000000	E7	FF	2730A78D	6	

TEST N°	FC	R	EW	RU1	EWU1	8							
FMS	33	5	2B5FA631	5DAA9C62									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	005FA631	2B000000	00000000	00000000	00000000	00000000	00000000	00000000	E7	FF	2B5FA631	6	
PH 02	00AA9C62	5D000000	005FA631	2B000000	008C65FA	00000000	00000000	00000000	00	05	5DAA9C62	0	
PH 03	010A4294	08000000	005FA631	AB000000	008C65FA	00000000	00AA9C62	5D000000	00	05	00000000	0	
PH 04	010A4294	00000000	005FA631	00000000	008C65FA	00000000	00AA9C62	5D000000	08	05	00000000	0	
PH 07	00000000	00000000	005FA631	00000000	008C65FA	00000000	00AA9C62	00000000	08	05	00000000	0	
CLK 02	00AA9C62	00000000	00000000	00000000	003197E8	00000000	00AA9C62	00000000	08	05	00000000	4	
CLK 03	002AA718	80000000	002AA718	80000000	00C65FA0	00000000	015538C4	00000000	08	04	00000000	2	
CLK 04	FF600D64	20000000	00AA9C62	20000000	00197E80	00000000	00AA9C62	00000000	08	04	00000000	5	
CLK 05	00829F8B	08000000	FFD80359	08000000	0065FA00	00000000	00AA9C62	00000000	08	03	00000000	0	
CLK 06	0175E082	C2000000	0020A7EE	C2000000	0097E800	00000000	015538C4	00000000	08	03	00000000	6	
CLK 07	0108148E	B0800000	005D782C	B0800000	005FA000	00000000	00AA9C62	00000000	08	02	00000000	0	
CLK 08	019730F7	AC200000	00420523	AC200000	007E8000	00000000	015538C4	00000000	08	02	00000000	6	
CLK 09	019B083D	E8080000	0065CF79	E8080000	00FA0000	00000000	015538C4	00000000	08	01	00000000	2	
CLK 10	FFC425AD	7AC20000	006EC20F	7AC20000	00E80000	00000000	00AA9C62	00000000	08	01	00000000	5	
CLK 11	FFF1096B	5EB08000	FFF1096B	5EB08000	00A00000	00000000	015538C4	00000000	08	00	00000000	3	
CLK 12	0151731E	D7AC2000	FFFC425A	D7AC2000	00800000	00000000	015538C4	00000000	08	00	00000000	6	
CLK 13	00FEF829	B5E08000	00545EC7	B5E08000	00000000	00000000	00AA9C62	00000000	08	FF	00000000	0	
CLK 14	003FBCEA	6D7AC200	003FBCEA	6D7AC200	00000000	00000000	015538C4	00000000	08	FF	00000000	6	
PH 08	003FBCEA	6D7AC200	003FBCEA	6D7AC200	00000000	00000000	015538C4	00000000	08	FF	00000000	6	
PH 09	003FBCEA	6D7AC200	003FBCEA	6D7AC200	00000000	00000000	015538C4	00000000	08	FF	00000000	6	
PH 10	003FBCEA	6D7AC200	003FBCEA	6D7AC200	00000000	00000000	015538C4	00000000	08	FF	4B3FBCEA	6	

TEST N°	FC	R	EW	RJ1	EW1	θ							
FMS 34	5	EDD28F48	67F4A1EA										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	03D28F48	ED000000	00000000	00000000	00000000	00000000	00000000	00000000	08	FF	EDD28F48	6	
PH 02	00F4A1EA	67000000	FFD28F48	ED000000	0012F14B	00000000	00000000	00000000	00	05	67F4A1EA	0	
PH 03	00C73132	F9000000	FFD28F48	92000000	0012F14B	00000000	00F4A1EA	67000000	00	05	00000000	0	
PH 04	00C73132	00000000	FFD28F48	00000000	0012F14B	00000000	00F4A1EA	67000000	F9	05	00000000	1	
PH 07	00000000	00000000	FFD28F48	00000000	0012F14B	00000000	00F4A1EA	00000000	F9	05	00000000	1	
CLK 02	00000000	00000000	00000000	00000000	004BC52C	00000000	01E943D4	00000000	F9	05	00000000	7	
CLK 03	01E943D4	00000000	00000000	00000000	002F14B0	00000000	01E943D4	00000000	F9	04	00000000	2	
CLK 04	FF85AF0B	00000000	007A50F5	00000000	008C52C0	00000000	00F4A1EA	00000000	F9	04	00000000	5	
CLK 05	FEECC9D8	C0000000	FFE168C2	C0000000	00F14800	00000000	00F4A1EA	00000000	F9	03	00000000	1	
CLK 06	00AFD460	30000000	FFB33276	30000000	00C52C00	00000000	00F4A1EA	00000000	F9	03	00000000	4	
CLK 07	002BF518	0C000000	0029F518	0C000000	0014B000	00000000	01E943D4	00000000	F9	02	00000000	2	
CLK 08	FF165B5C	03000000	000AFD46	03000000	0052C000	00000000	00F4A1EA	00000000	F9	02	00000000	5	
CLK 09	01AEDAAB	00C00000	FFC596D7	00C00000	004B0000	00000000	01E943D4	00000000	F9	01	00000000	2	
CLK 10	01605894	C0300000	0068B6AA	C0300000	002C0000	00000000	00F4A1EA	00000000	F9	01	00000000	4	
CLK 11	FF63743B	300C0000	00581625	300C0000	00800000	00000000	00F4A1EA	00000000	F9	00	00000000	1	
CLK 12	FEE43B24	CC030000	FFD8DD0E	CC030000	00C00000	00000000	00F4A1EA	00000000	F9	00	00000000	5	
CLK 13	00ADB0B3	3300C000	FFB90EC9	3300C000	00000000	00000000	00F4A1EA	00000000	F9	FF	00000000	0	
CLK 14	002B6C2C	CCC03000	002B6C2C	CCC03000	00000000	00000000	01E943D4	00000000	F9	FF	00000000	6	
PH 08	002B6C2C	CCC03000	002B6C2C	CCC03000	00000000	00000000	01E943D4	00000000	F9	FF	00000000	6	
PH 09	FFD493D4	333FD000	002B6C2C	CCC03000	00000000	00000000	01E943D4	00000000	F9	FF	00000000	6	
PH 10	FFD493D4	333FD000	002B6C2C	CCC03000	00000000	00000000	01E943D4	00000000	06	FF	C6D493D4	6	

TEST N°	FC	R	EW	RJ1	EW1	θ							
FMS 35	5	09A37D9E	9CD5A061										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW	
PH 01	00A37D9E	09000000	00000000	00000000	00000000	00000000	00000000	00000000	06	FF	09A37D9E	6	
PH 02	03D5A061	9C000000	00A37D9E	09000000	0079BEC5	00000000	00000000	00000000	00	05	9CD5A061	0	
PH 03	00CDD03C	EC800000	00A37D9E	89000000	0079BEC5	00000000	FFD5A061	9C800000	00	05	00000000	0	
PH 04	00CDD03C	00000000	00A37D9E	00000000	0079BEC5	00000000	FFD5A061	9C800000	EC	05	00000000	1	
PH 07	00000000	00000000	00A37D9E	00000000	0079BEC5	00000000	FFD5A061	00000000	EC	05	00000000	1	
CLK 02	FFAB40C2	00000000	00000000	00000000	00E6FB14	00000000	FFAB40C2	00000000	EC	05	00000000	6	
CLK 03	FFEAD030	80000000	FFEAD030	80000000	009BEC50	00000000	FFAB40C2	00000000	EC	04	00000000	2	
CLK 04	FFA5F4CE	20000000	FFFAH40C	20000000	006FB140	00000000	FFAB40C2	00000000	EC	04	00000000	6	
CLK 05	FF9F1D94	88000000	FFE97D33	88000000	008EC500	00000000	FFD5A061	00000000	EC	03	00000000	0	
CLK 06	FF990827	22000000	FFEFC745	22000000	00F31400	00000000	FFAB40C2	00000000	EC	03	00000000	6	
CLK 07	FFF6C209	C8800000	FFE6C209	C8800000	00EC5000	00000000	FFAB40C2	00000000	EC	02	00000000	2	
CLK 08	FFF9B0R2	72200000	FFF9B0R2	72200000	00R14000	00000000	FFAB40C2	00000000	EC	02	00000000	6	
CLK 09	FFA9ACE2	9C880000	FFFE6C20	9C880000	00C50000	00000000	FFAB40C2	00000000	EC	01	00000000	2	
CLK 10	FFEA6B38	A7220000	FFEA6B38	A7220000	00140000	00000000	FFAB40C2	00000000	EC	01	00000000	6	
CLK 11	0024FA6D	29C88000	FFFA9ACE	29C88000	00500000	00000000	FFD5A061	00000000	EC	00	00000000	1	
CLK 12	FFB47F5D	4A722000	00093E9B	4A722000	00400000	00000000	FFAB40C2	00000000	EC	00	00000000	6	
CLK 13	FFC2C038	529C8800	FFED1F07	529C8800	00000000	00000000	FFD5A061	00000000	EC	FF	00000000	0	
CLK 14	00190FAD	14A72200	FFF0B00E	14A72200	00000000	00000000	FFD5A061	00000000	EC	FF	00000000	5	
PH 08	00190FAD	14A72200	00190FAD	14A72200	00000000	00000000	FFD5A061	00000000	EC	FF	00000000	5	
PH 09	FFE4F052	EB58DE00	00190FAD	14A72200	00000000	00000000	FFD5A061	00000000	EC	FF	00000000	5	
PH 10	FFE4F053	EB58DE00	00190FAD	14A72200	00000000	00000000	FFD5A061	00000000	13	FF	03E4F053	5	

TEST N°	FC	R	EW	RU1	EWU1	8						
FMS	36	5	29815B7C	36704AB6								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	00815B7C	29000000	00000000	00000000	00000000	00000000	00000000	00000000	13	FF	29815B7C	5
PH 02	00704AB6	36000000	00815B7C	29000000	003EDA81	00000000	00000000	00000000	00	05	36704AB6	0
PH 03	00F1A632	DF000000	00815B7C	A9000000	003EDA81	00000000	00704AB6	36000000	00	05	00000000	0
PH 04	00F1A632	00000000	00815B7C	00000000	003EDA81	00000000	00704AB6	36000000	DF	05	00000000	0
PH 07	00000000	00000000	00815B7C	00000000	003EDA81	00000000	00704AB6	00000000	DF	05	00000000	0
CLK 02	00000000	00000000	00000000	00000000	00FB6A04	00000000	00E0956C	00000000	DF	05	00000000	6
CLK 03	FF8FB54A	00000000	00000000	00000000	00EDA810	00000000	00704AB6	00000000	DF	04	00000000	1
CLK 04	FFE3ED52	80000000	FFE3ED52	80000000	00B6A040	00000000	00E0956C	00000000	DF	04	00000000	7
CLK 05	00D990C0	A0000000	FFF8FB54	A0000000	00DA8100	00000000	00E0956C	00000000	DF	03	00000000	2
CLK 06	FFC6197A	28000000	00366430	28000000	006A0400	00000000	00704AB6	00000000	DF	03	00000000	5
CLK 07	FF8138A8	8A000000	FFF1865E	8A000000	00A81000	00000000	00704AB6	00000000	DF	02	00000000	1
CLK 08	00C0E456	22800000	FFE04EEA	22800000	00A04000	00000000	00E0956C	00000000	DF	02	00000000	6
CLK 09	00A083CB	88A00000	00303915	88A00000	00810000	00000000	00704AB6	00000000	DF	01	00000000	0
CLK 10	00986BA8	E2280000	002820F2	E2280000	00040000	00000000	00704AB6	00000000	DF	01	00000000	4
CLK 11	00261AEA	388A0000	00261AEA	388A0000	00100000	00000000	00E0956C	00000000	DF	00	00000000	2
CLK 12	000986BA	8E228000	000986BA	8E228000	00400000	00000000	00E0956C	00000000	DF	00	00000000	6
CLK 13	00E2F71A	A388A000	000261AE	A388A000	00000000	00000000	00E0956C	00000000	DF	FF	00000000	2
CLK 14	0038BDC6	A8E22800	0038BDC6	A8E22800	00000000	00000000	00E0956C	00000000	DF	FF	00000000	6
PH 08	0038BDC6	A8E22800	0038BDC6	A8E22800	00000000	00000000	00E0956C	00000000	DF	FF	00000000	6
PH 09	0038BDC6	A8E22800	0038BDC6	A8E22800	00000000	00000000	00E0956C	00000000	DF	FF	00000000	6
PH 10	0038BDC6	A8E22800	0038BDC6	A8E22800	00000000	00000000	00E0956C	00000000	DF	FF	1F38BDC6	6

TEST N°	FC	R	EW	RU1	EWU1	8						
FMS	37	5	1FA1365B	5A962CAD								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	00A1365B	1F000000	00000000	00000000	00000000	00000000	00000000	00000000	DF	FF	1FA1365B	6
PH 02	00962CAD	5A000000	00A1365B	1F000000	000A6C85	00000000	00000000	00000000	00	05	5A962CAD	0
PH 03	01376308	F9000000	00A1365B	9F000000	00DA6CR5	00000000	00962CAD	5A000000	00	05	00000000	0
PH 04	01376308	00000000	00A1365B	00000000	00DA6C85	00000000	00962CAD	5A000000	F9	05	00000000	0
PH 07	00000000	00000000	00A1365B	00000000	000A6C85	00000000	00962CAD	00000000	F9	05	00000000	0
CLK 02	FF690353	00000000	00000000	00000000	00699214	00000000	00962CAD	00000000	F9	05	00000000	5
CLK 03	FF444827	C0000000	FFDA74D4	C0000000	00A6C850	00000000	00962CAD	00000000	F9	04	00000000	1
CLK 04	00FD6863	F0000000	FFD11209	F0000000	009B2140	00000000	012C595A	00000000	F9	04	00000000	6
CLK 05	00058785	FC000000	003F5AD8	FC000000	006C8500	00000000	00962CAD	00000000	F9	03	00000000	0
CLK 06	01618B38	7F000000	003561E1	7F000000	00B21400	00000000	012C595A	00000000	F9	03	00000000	6
CLK 07	00E99B7B	DFC00000	00586ECE	DFC00000	00C85000	00000000	00962CAD	00000000	F9	02	00000000	0
CLK 08	FFA57A31	F7F00000	0038A6DE	F7F00000	00214000	00000000	00962CAD	00000000	F9	02	00000000	5
CLK 09	007F8939	7DFC0000	FFE95E8C	7DFC0000	00850000	00000000	00962CAD	00000000	F9	01	00000000	0
CLK 10	00860F7B	5F7F0000	001FE2CE	5F7F0000	00140000	00000000	00962CAD	00000000	F9	01	00000000	4
CLK 11	002D83DE	D7DFC000	002D83DE	D7DFC000	00500000	00000000	012C595A	00000000	F9	00	00000000	2
CLK 12	01378A51	85F7F000	000B60F7	85F7F000	00400000	00000000	012C595A	00000000	F9	00	00000000	6
CLK 13	017A47EE	607DFC00	004DEE94	607DFC00	00000000	00000000	012C595A	00000000	F9	FF	00000000	2
CLK 14	005E91FB	985F7F00	005E91FB	985F7F00	00000000	00000000	012C595A	00000000	F9	FF	00000000	6
PH 08	008E91FB	985F7F00	005E91FB	985F7F00	00000000	00000000	012C595A	00000000	F9	FF	00000000	6
PH 09	008E91FB	985F7F00	005E91FB	985F7F00	00000000	00000000	012C595A	00000000	F9	FF	00000000	6
PH 10	005E91FB	985F7F00	005E91FB	985F7F00	00000000	00000000	012C595A	00000000	F9	FF	395E91FB	6

TEST	Nb	FC	R	EW	RU1	EWU1	B	E	F	FP	SW	
FMS	38	5	FC7CF1CC	5A5ACF3B								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	037CF1CC	FC000000	00000000	00000000	00000000	00000000	00000000	00000000	F9	FF	FC7CF1CC	6
PH 02	005ACF3B	5A000000	FF7CF1CC	FC000000	00338F3E	00000000	00000000	00000000	00	05	5A5ACF3B	0
PH 03	FFD7C107	DD000000	FF7CF1CC	83000000	00338F3E	00000000	005ACF3B	5A000000	00	05	00000000	0
PH 04	FFD7C107	00000000	FF7CF1CC	00000000	00338F3E	00000000	005ACF3B	5A000000	DD	05	00000000	1
PH 07	00000000	00000000	FF7CF1CC	00000000	00338F3E	00000000	005ACF3B	00000000	DD	05	00000000	1
CLK 02	00000000	00000000	00000000	00000000	00CE3CF8	00000000	00859E76	00000000	DD	05	00000000	7
CLK 03	005ACF3B	00000000	00000000	00000000	0038F3E0	00000000	005ACF3B	00000000	DD	04	00000000	0
CLK 04	FFB8E493	C0000000	0016B3CE	C0000000	00E3CF80	00000000	005ACF3B	00000000	DD	04	00000000	0
CLK 05	0049C85F	F0000000	FFEEF924	F0000000	008F3E00	00000000	005ACF3B	00000000	DD	03	00000000	0
CLK 06	00C8108D	FC000000	00127217	FC000000	003CF800	00000000	00859E76	00000000	DD	03	00000000	6
CLK 07	FFD734E8	7F000000	00320423	7F000000	00CF3E00	00000000	005ACF3B	00000000	DD	02	00000000	1
CLK 08	00509C75	1FC00000	FFF5CD3A	1FC00000	00CF8000	00000000	005ACF3B	00000000	DD	02	00000000	4
CLK 09	0014271D	47F00000	0014271D	47F00000	003E0000	00000000	00859E76	00000000	DD	01	00000000	0
CLK 10	FFAA3A8C	51FC0000	000509C7	51FC0000	00F80000	00000000	005ACF3B	00000000	DD	01	00000000	5
CLK 11	00455DDE	147F0000	FFEA8EA3	147F0000	00E00000	00000000	005ACF3B	00000000	DD	00	00000000	0
CLK 12	00115777	851FC000	00115777	851FC000	00800000	00000000	00859E76	00000000	DD	00	00000000	6
CLK 13	00B9F453	E147F000	000455DD	E147F000	00000000	00000000	00859E76	00000000	DD	FF	00000000	2
CLK 14	002E7D14	F851FC00	002E7D14	F851FC00	00000000	00000000	00859E76	00000000	DD	FF	00000000	6
PH 08	002E7D14	F851FC00	002E7D14	F851FC00	00000000	00000000	00859E76	00000000	DD	FF	00000000	6
PH 09	FFD182EB	07AE0400	002E7D14	F851FC00	00000000	00000000	00859E76	00000000	DD	FF	00000000	6
PH 10	FFD182EC	07AE0400	002E7D14	F851FC00	00000000	00000000	00859E76	00000000	22	FF	E2D182EC	6

TEST	Nb	FC	R	EW	RU1	EWU1	B	E	F	FP	SW	
FMS	39	5	E486C662	283DB547								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
PH 01	0386C662	E4000000	00000000	00000000	00000000	00000000	00000000	00000000	22	FF	E486C662	6
PH 02	003DB547	28000000	FF86C662	E4000000	00466361	00000000	00000000	00000000	00	05	283DB547	0
PH 03	FFC47BA9	C3000000	FF86C662	9B000000	00466361	00000000	003DB547	28000000	00	05	00000000	0
PH 04	FFC47BA9	00000000	FF86C662	00000000	00466361	00000000	003DB547	28000000	C3	05	00000000	1
PH 07	00000000	00000000	FF86C662	00000000	00466361	00000000	003DB547	00000000	C3	05	00000000	1
CLK 02	007B6A8E	00000000	00000000	00000000	00198DR4	00000000	007B6A8E	00000000	C3	05	00000000	6
CLK 03	FFF1255C	80000000	001EDA43	80000000	00663610	00000000	003DB547	00000000	C3	04	00000000	1
CLK 04	0073B3E5	20000000	FFF84957	20000000	0098D840	00000000	007B6A8E	00000000	C3	04	00000000	6
CLK 05	00985787	48000000	001CECF9	48000000	00636100	00000000	007B6A8E	00000000	C3	03	00000000	0
CLK 06	0063CB28	D2000000	002615E1	D2000000	00808400	00000000	003DB547	00000000	C3	02	00000000	4
CLK 07	00945D58	34800000	0018F2CA	34800000	00361000	00000000	007B6A8E	00000000	C3	02	00000000	2
CLK 08	FFF7620F	0D200000	00251756	0D200000	00084000	00000000	003DB547	00000000	C3	02	00000000	5
CLK 09	00378DCA	C3480000	FFF9D8R3	C3480000	00610000	00000000	003DB547	00000000	C3	01	00000000	0
CLK 10	004B98B9	R0D20000	000DE372	R0D20000	00840000	00000000	003DB547	00000000	C3	01	00000000	4
CLK 11	008E5080	6C348000	0012E62E	6C348000	00100000	00000000	007B6A8E	00000000	C3	00	00000000	2
CLK 12	FFF5DEE8	1B0D2000	0023942F	1B0D2000	00400000	00000000	003DB547	00000000	C3	00	00000000	5
CLK 13	0074E248	06C34800	FFF9778A	06C34800	00000000	00000000	007B6A8E	00000000	C3	FF	00000000	2
CLK 14	001D3892	01B0D200	001D3892	01B0D200	00000000	00000000	007B6A8E	00000000	C3	FF	00000000	6
PH 08	001D3892	01B0D200	001D3892	01B0D200	00000000	00000000	007B6A8E	00000000	C3	FF	00000000	6
PH 09	FFE2C76D	FE4F2E00	001D3892	01B0D200	00000000	00000000	007B6A8E	00000000	C3	FF	00000000	6
PH 10	FFE2C76E	FE4F2E00	001D3892	01B0D200	00000000	00000000	007B6A8E	00000000	3C	FF	FCE2C76E	6

TEST N°	FC	R	EW	RU1	EWU1	B	E	F	FP	SW
CYC	01	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	
FMS	40	5	340982D9	2F9D6QD8						
PH	01	000982D9	34000000	00000000	00000000	00000000	00000000	00000000	00000000	3C FF 340982D9 6
PH	02	009D60D8	2F000000	000982D9	34000000	009B4190	00000000	00000000	00000000	00 05 2F9D6QD8 0
PH	03	00A6E3B1	F3000000	000982D9	B4000000	009B4190	00000000	009D60D8	2F000000	00 05 00000000 0
PH	04	00A6E3B1	00000000	000982D9	00000000	009B4190	00000000	009D60D8	2F000000	E3 05 00000000 0
PH	06	000982D9	00000000	000982D9	00000000	009B4190	00000000	009D60D8	00000000	E3 05 00000000 0
CLK	02	00982D90	00000000	00982D90	00000000	009B4190	00000000	009D60D8	00000000	E2 04 00000000 0
PH	07	00000000	00000000	00982D90	00000000	009B4190	00000000	009D60D8	00000000	E2 04 00000000 0
CLK	02	009D60D8	00000000	00000000	00000000	006D064C	00000000	009D60D8	00000000	E2 04 00000000 4
CLK	03	016219E6	00000000	00275836	00000000	00541900	00000000	013AC1B0	00000000	E2 03 00000000 2
CLK	04	00F5E751	80000000	0058A679	80000000	00506400	00000000	009D60D8	00000000	E2 03 00000000 4
CLK	05	FFA018FC	60000000	003D79D4	60000000	00419000	00000000	009D60D8	00000000	E2 02 00000000 1
CLK	06	FFAA567	18000000	FFE8063F	18000000	00064000	00000000	009D60D8	00000000	E2 02 00000000 5
CLK	07	00700A31	C6000000	FFD2A959	C6000000	00190000	00000000	009D60D8	00000000	E2 01 00000000 0
CLK	08	001C028C	71800000	001C028C	71800000	00640000	00000000	013AC1B0	00000000	E2 01 00000000 6
CLK	09	0141C253	1C600000	000700A3	1C600000	00900000	00000000	013AC1B0	00000000	E2 00 00000000 2
CLK	10	00E0D16C	C7180000	00507094	C7180000	00400000	00000000	009D60D8	00000000	E2 00 00000000 4
CLK	11	0176360B	31C60000	003B745B	31C60000	00000000	00000000	013AC1B0	00000000	E2 FF 00000000 2
CLK	12	005D8D82	CC718000	005D8D82	CC718000	00000000	00000000	013AC1B0	00000000	E2 FF 00000000 6
PH	08	005D8D82	CC718000	005D8D82	CC718000	00000000	00000000	013AC1B0	00000000	E2 FF 00000000 6
PH	09	005D8D82	CC718000	005D8D82	CC718000	00000000	00000000	013AC1B0	00000000	E2 FF 00000000 6
PH	10	005D8D82	CC718000	005D8D82	CC718000	00000000	00000000	013AC1B0	00000000	E2 FF 225D8D82 6

TEST N°	FC	R	EW	RU1	EWU1	B	E	F	FP	SW
FDL	01	5	88AAAAAA	DD555555	AAAAAAAA	55555555				
CYCLE	01	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	
PH	01	03AAAAAA	B3000000	00000000	00000000	00000000	00000000	00000000	00000000	E2 FF 83AAAAAA 6
PH	02	03555555	DD000000	FFAAAAAA	B3000000	00000000	00000000	00000000	00000000	00 00 03555555 0
PH	03	FF000000	22000000	FFAAAAAA	44800000	00000000	00000000	FF555555	DD800000	00 00 00AAAAAA 0
PH	04	FF000000	55555555	FFAAAAAA	AAAAAAAA	00000000	00000000	FF555555	DD800000	22 00 55555555 0
PH	06	00555555	55555555	FFAAAAAA	AAAAAAAA	00000000	00000000	FF555555	55555555	22 00 55555555 0
PH	07	FFAAAAAA	AAAAAAAB	00555555	55555555	00000000	00000000	FF555555	55555555	22 00 55555555 0
PH	08	00555555	55555555	00555555	55555555	00000000	00000000	FF555555	55555555	22 00 55555555 4
CLK	02	00000000	00000001	00AAAAAA	AAAAAAAC	00000000	00000000	FF555555	55555555	22 36 55555555 4
CLK	03	FF555555	55555555	57000000	00000002	00000000	00000001	FF555555	55555555	22 35 55555555 4
CLK	04	FF555555	55555559	FFAAAAAA	AAAAAAAE	00000000	00000002	FF555555	55555555	22 34 55555555 4
CLK	05	FF555555	5555555D	FFAAAAAA	AAAAAAAB	00000000	00000004	FF555555	55555555	22 33 55555555 4
CLK	06	FF555555	55555556	FFAAAAAA	AAAAAAAB	00000000	00000008	FF555555	55555555	22 32 55555555 4
CLK	07	FF555555	55555575	FFAAAAAA	AAAAAAAC	00000000	00000010	FF555555	55555555	22 31 55555555 4
CLK	08	FF555555	55555595	FFAAAAAA	AAAAAAAE	00000000	00000020	FF555555	55555555	22 30 55555555 4
CLK	09	FF555555	555555D5	FFAAAAAA	AAAAAAAB	00000000	00000040	FF555555	55555555	22 2F 55555555 4
CLK	10	FF555555	55555565	FFAAAAAA	AAAAAAAB	00000000	00000080	FF555555	55555555	22 2E 55555555 4
CLK	11	FF555555	55555575	FFAAAAAA	AAAAAAAC	00000000	00000100	FF555555	55555555	22 2C 55555555 4
CLK	12	FF555555	55555595	FFAAAAAA	AAAAAAE	00000000	00000200	FF555555	55555555	22 2C 55555555 4
CLK	13	FF555555	555555D5	FFAAAAAA	AAAAAB2AA	00000000	00000400	FF555555	55555555	22 2B 55555555 4
CLK	14	FF555555	55555555	FFAAAAAA	AAAAABAAA	00000000	00000800	FF555555	55555555	22 2A 55555555 4
CLK	15	FF555555	55555575	FFAAAAAA	AAAAACAAA	00000000	00001000	FF555555	55555555	22 29 55555555 4
CLK	16	FF555555	55555595	FFAAAAAA	AAAAEAAA	00000000	00002000	FF555555	55555555	22 28 55555555 4
CLK	17	FF555555	555555D5	FFAAAAAA	AAAA2AAA	00000000	00004000	FF555555	55555555	22 27 55555555 4
CLK	18	FF555555	55555555	FFAAAAAA	AAAA3AAA	00000000	00008000	FF555555	55555555	22 26 55555555 4
CLK	19	FF555555	55555555	FFAAAAAA	AAAACAAAA	00000000	00010000	FF555555	55555555	22 25 55555555 4
CLK	20	FF555555	55555555	FFAAAAAA	AAAAEAAA	00000000	00020000	FF555555	55555555	22 24 55555555 4
CLK	21	FF555555	55555555	FFAAAAAA	AAAA2AAA	00000000	00040000	FF555555	55555555	22 23 55555555 4
CLK	22	FF555555	55555555	FFAAAAAA	AAAA3AAA	00000000	00080000	FF555555	55555555	22 22 55555555 4
CLK	23	FF555555	55555555	FFAAAAAA	AAAACAAAA	00000000	00100000	FF555555	55555555	22 21 55555555 4
CLK	24	FF555555	55555555	FFAAAAAA	AAAAEAAA	00000000	00020000	FF555555	55555555	22 2C 55555555 4
CLK	25	FF555555	55555555	FFAAAAAA	AAAA2AAA	00000000	00400000	FF555555	55555555	22 1F 55555555 4
CLK	26	FF555555	55555555	FFAAAAAA	AAAA3AAA	00000000	00800000	FF555555	55555555	22 1E 55555555 4
CLK	27	FF555555	57555555	FFAAAAAA	AAAACAAAA	00000000	01000000	FF555555	55555555	22 10 55555555 4
CLK	28	FF555555	59555555	FFAAAAAA	AAAAEAAA	00000000	02000000	FF555555	55555555	22 1C 55555555 4
CLK	29	FF555555	5D555555	FFAAAAAA	AAAA3AAA	00000000	04000000	FF555555	55555555	22 1B 55555555 4
CLK	30	FF555555	65555555	FFAAAAAA	AAAAEAAA	00000000	08000000	FF555555	55555555	22 1A 55555555 4
CLK	31	FF555555	75555555	FFAAAAAA	AAAAEAAA	00000000	10000000	FF555555	55555555	22 19 55555555 4

TEST NO	FC	R	EW	RJ1	EWU1								
FDL 01	5	8BAAAAAA	DD555555	AAAAAAA	55555555								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
CLK 32	FF555555	95555555	FFAAAAAA	EAAAAAAA	00000000	20000000	FF555555	55555555	22	18	55555555	4	
CLK 33	FF555555	D5555555	FFAAAAAB	2AAAAAAA	00000000	40000000	FF555555	55555555	22	17	55555555	4	
CLK 34	FF555555	55555555	FFAAAAAB	AAAAAAA	00000000	80000000	FF555555	55555555	22	16	55555555	4	
CLK 35	FF555555	55555555	FFAAAAAC	AAAAAAA	00000001	00000000	FF555555	55555555	22	15	55555555	4	
CLK 36	FF555559	55555555	FFAAAAAE	AAAAAAA	00000002	00000000	FF555555	55555555	22	14	55555555	4	
CLK 37	FF55555D	55555555	FFAAAAA2	AAAAAAA	00000004	00000000	FF555555	55555555	22	13	55555555	4	
CLK 38	FF555556	55555555	FFAAAAA9	AAAAAAA	00000008	00000000	FF555555	55555555	22	12	55555555	4	
CLK 39	FF555575	55555555	FFAAAAAC	AAAAAAA	00000010	00000000	FF555555	55555555	22	11	55555555	4	
CLK 40	FF555595	55555555	FFAAAAEA	AAAAAAA	00000020	00000000	FF555555	55555555	22	10	55555555	4	
CLK 41	FF5555D5	55555555	FFAAB2A	AAAAAAA	00000040	00000000	FF555555	55555555	22	0F	55555555	4	
CLK 42	FF555645	55555555	FFAAAAA9	AAAAAAA	00000080	00000000	FF555555	55555555	22	0E	55555555	4	
CLK 43	FF555755	55555555	FFAAAAEA	AAAAAAA	00000100	00000000	FF555555	55555555	22	0D	55555555	4	
CLK 44	FF555955	55555555	FFAAAAEA	AAAAAAA	00000200	00000000	FF555555	55555555	22	0C	55555555	4	
CLK 45	FF555D55	55555555	FFAAB2A	AAAAAAA	00000400	00000000	FF555555	55555555	22	0B	55555555	4	
CLK 46	FF555655	55555555	FFAABAAA	AAAAAAA	00000800	00000000	FF555555	55555555	22	0A	55555555	4	
CLK 47	FF557555	55555555	FFAACAAA	AAAAAAA	00001000	00000000	FF555555	55555555	22	09	55555555	4	
CLK 48	FF559555	55555555	FFAAEAAA	AAAAAAA	00002000	00000000	FF555555	55555555	22	08	55555555	4	
CLK 49	FF55D555	55555555	FFAB2AAA	AAAAAAA	00004000	00000000	FF555555	55555555	22	07	55555555	4	
CLK 50	FF565555	55555555	FFABAAAA	AAAAAAA	00008000	00000000	FF555555	55555555	22	06	55555555	4	
CLK 51	FF575555	55555555	FFACAAA	AAAAAAA	00010000	00000000	FF555555	55555555	22	05	55555555	4	
CLK 52	FF595555	55555555	FFAEAAA	AAAAAAA	00020000	00000000	FF555555	55555555	22	04	55555555	4	
CLK 53	FF5D5555	55555555	FFB2AAA	AAAAAAA	00040000	00000000	FF555555	55555555	22	03	55555555	4	
CLK 54	FF565555	55555555	FFBAAAA	AAAAAAA	00080000	00000000	FF555555	55555555	22	02	55555555	4	
CLK 55	FF755555	55555555	FFCAAAA	AAAAAAA	00100000	00000000	FF555555	55555555	22	01	55555555	4	
CLK 56	FF955555	55555555	FFEAAA	AAAAAAA	00200000	00000000	FF555555	55555555	22	00	55555555	4	
CLK 57	FFD55555	55555555	FF2AAA	AAAAAAA	00400000	00000000	FF555555	55555555	22	FF	55555555	4	
CLK 58	00800000	00000000	FFAAAA	AAAAAAA	00800000	00000000	FF555555	55555555	22	FE	55555555	4	
PH 09	00800000	00000000	00800000	00000000	00800000	00000000	FF555555	55555555	22	FE	00000000	4	
PH 10	00800000	00000000	00800000	00000000	00800000	00000000	FF555555	55555555	22	FE	62800000	4	

TEST NO	FC	R	EW	RJ1	EWU1								
FDL 02	5	10555555	03AAAAAA	55555555	AAAAAAA								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	00555555	10000000	00000000	00000000	00000000	00000000	00000000	00000000	22	FE	10555555	4	
PH 02	00AAAAAA	03000000	00555555	10000000	00000000	00000000	00000000	00000000	00	00	03AAAAAA	0	
PH 03	FFAAAAAB	0D000000	00555555	10800000	00000000	00000000	00AAAAAA	03000000	00	00	55555555	0	
PH 04	FFAAAAAB	AAAAAAA	00555555	55555555	00000000	00000000	00AAAAAA	03000000	00	00	AAAAAAA	0	
PH 06	00555555	55555555	00555555	55555555	00000000	00000000	00AAAAAA	AAAAAAA	00	00	AAAAAAA	0	
PH 07	FFAAAAAA	AAAAAAA	00555555	55555555	00000000	00000000	00AAAAAA	AAAAAAA	00	00	AAAAAAA	0	
PH 08	00555555	55555555	00555555	55555555	00000000	00000000	00AAAAAA	AAAAAAA	00	37	AAAAAAA	4	
CLK 02	00000000	00000000	00AAAAAA	AAAAAAA	00000000	00000000	00AAAAAA	AAAAAAA	00	36	AAAAAAA	4	
CLK 03	FF555555	55555556	56000000	00000000	00000000	00000001	00AAAAAA	AAAAAAA	00	35	AAAAAAA	4	
CLK 04	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000002	00AAAAAA	AAAAAAA	00	34	AAAAAAA	4	
CLK 05	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000004	00AAAAAA	AAAAAAA	00	33	AAAAAAA	4	
CLK 06	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000008	00AAAAAA	AAAAAAA	00	32	AAAAAAA	4	
CLK 07	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000010	00AAAAAA	AAAAAAA	00	31	AAAAAAA	4	
CLK 08	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000020	00AAAAAA	AAAAAAA	00	30	AAAAAAA	4	
CLK 09	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000040	00AAAAAA	AAAAAAA	00	2F	AAAAAAA	4	
CLK 10	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000080	00AAAAAA	AAAAAAA	00	2E	AAAAAAA	4	
CLK 11	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000100	00AAAAAA	AAAAAAA	00	2D	AAAAAAA	4	
CLK 12	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000200	00AAAAAA	AAAAAAA	00	2C	AAAAAAA	4	
CLK 13	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000400	00AAAAAA	AAAAAAA	00	2B	AAAAAAA	4	
CLK 14	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00000800	00AAAAAA	AAAAAAA	00	2A	AAAAAAA	4	
CLK 15	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00001000	00AAAAAA	AAAAAAA	00	29	AAAAAAA	4	
CLK 16	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00002000	00AAAAAA	AAAAAAA	00	28	AAAAAAA	4	
CLK 17	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00004000	00AAAAAA	AAAAAAA	00	27	AAAAAAA	4	
CLK 18	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00008000	00AAAAAA	AAAAAAA	00	26	AAAAAAA	4	
CLK 19	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00010000	00AAAAAA	AAAAAAA	00	25	AAAAAAA	4	
CLK 20	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00020000	00AAAAAA	AAAAAAA	00	24	AAAAAAA	4	
CLK 21	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00040000	00AAAAAA	AAAAAAA	00	23	AAAAAAA	4	
CLK 22	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00080000	00AAAAAA	AAAAAAA	00	22	AAAAAAA	4	
CLK 23	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00100000	00AAAAAA	AAAAAAA	00	21	AAAAAAA	4	
CLK 24	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00200000	00AAAAAA	AAAAAAA	00	20	AAAAAAA	4	
CLK 25	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00400000	00AAAAAA	AAAAAAA	00	1F	AAAAAAA	4	
CLK 26	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	00800000	00AAAAAA	AAAAAAA	00	1E	AAAAAAA	4	
CLK 27	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	01000000	00AAAAAA	AAAAAAA	00	1D	AAAAAAA	4	
CLK 28	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	02000000	00AAAAAA	AAAAAAA	00	1C	AAAAAAA	4	
CLK 29	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	04000000	00AAAAAA	AAAAAAA	00	1B	AAAAAAA	4	
CLK 30	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	08000000	00AAAAAA	AAAAAAA	00	1A	AAAAAAA	4	
CLK 31	FF555555	55555556	FFAAAAAA	AAAAAAA	00000000	10000000	00AAAAAA	AAAAAAA	00	19	AAAAAAA	4	

TEST	Nb	FC	R	EW	RU1	EWU1								
PDL	03	5	66AAAAAA	33555555	AAAAAAA	55555555								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
CLK 31	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000000	04000000	00555555	55555555	34	19	55555555	4		
CLK 32	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000000	08000000	00555555	55555555	34	18	55555555	4		
CLK 33	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000000	10000000	00555555	55555555	34	17	55555555	4		
CLK 34	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000000	20000000	00555555	55555555	34	16	55555555	4		
CLK 35	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000000	40000000	00555555	55555555	34	15	55555555	4		
CLK 36	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000000	80000000	00555555	55555555	34	14	55555555	4		
CLK 37	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000001	00000000	00555555	55555555	34	13	55555555	4		
CLK 38	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000002	00000000	00555555	55555555	34	12	55555555	4		
CLK 39	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000004	00000000	00555555	55555555	34	11	55555555	4		
CLK 40	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000008	00000000	00555555	55555555	34	10	55555555	4		
CLK 41	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000010	00000000	00555555	55555555	34	0F	55555555	4		
CLK 42	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000020	00000000	00555555	55555555	34	0E	55555555	4		
CLK 43	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000040	00000000	00555555	55555555	34	0D	55555555	4		
CLK 44	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000080	00000000	00555555	55555555	34	0C	55555555	4		
CLK 45	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000100	00000000	00555555	55555555	34	0B	55555555	4		
CLK 46	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000200	00000000	00555555	55555555	34	0A	55555555	4		
CLK 47	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000400	00000000	00555555	55555555	34	09	55555555	4		
CLK 48	FFAAAAAA	AAAAAAAB	FF555555	55555556	00000800	00000000	00555555	55555555	34	08	55555555	4		
CLK 49	FFAAAAAA	AAAAAAAB	FF555555	55555556	00001000	00000000	00555555	55555555	34	07	55555555	4		
CLK 50	FFAAAAAA	AAAAAAAB	FF555555	55555556	00002000	00000000	00555555	55555555	34	06	55555555	4		
CLK 51	FFAAAAAA	AAAAAAAB	FF555555	55555556	00004000	00000000	00555555	55555555	34	05	55555555	4		
CLK 52	FFAAAAAA	AAAAAAAB	FF555555	55555556	00008000	00000000	00555555	55555555	34	04	55555555	4		
CLK 53	FFAAAAAA	AAAAAAAB	FF555555	55555556	00010000	00000000	00555555	55555555	34	03	55555555	4		
CLK 54	FFAAAAAA	AAAAAAAB	FF555555	55555556	00020000	00000000	00555555	55555555	34	02	55555555	4		
CLK 55	FFAAAAAA	AAAAAAAB	FF555555	55555556	00040000	00000000	00555555	55555555	34	01	55555555	4		
CLK 56	FFAAAAAA	AAAAAAAB	FF555555	55555556	00080000	00000000	00555555	55555555	34	00	55555555	4		
CLK 57	FFAAAAAA	AAAAAAAB	FF555555	55555556	00100000	00000000	00555555	55555555	34	FF	55555555	4		
CLK 58	00200000	00000000	FF555555	55555556	00200000	00000000	00555555	55555555	34	FE	55555555	4		
PH 09	00200000	00000000	00200000	00000000	00200000	00000000	00555555	55555555	34	FE	00000000	4		
PH 10	00200000	00000000	00200000	00000000	00200000	00000000	00555555	55555555	34	FE	74200000	4		

TEST	Nb	FC	R	EW	RU1	EWU1								
PDL	04	5	EF555555	09AAAAAA	55555555	AAAAAAA								
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
PH 01	03555555	EE000000	00000000	00000000	00000000	00000000	00000000	00000000	34	FE	EE555555	4		
PH 02	03AAAAAA	09000000	FF555555	55555556	00000000	00000000	00000000	00000000	00	00	03AAAAAA	0		
PH 03	FEFFFFFF	ED000000	FF555555	55555556	11800000	00000000	00000000	FFAAAAAA	00	00	55555555	0		
PH 04	FEFFFFFF	AAAAAAA	FF555555	55555556	00000000	00000000	FFAAAAAA	09800000	ED	00	AAAAAAA	0		
PH 06	00AAAAAA	AAAAAAAB	FF555555	55555556	00000000	00000000	FFAAAAAA	AAAAAAA	ED	00	AAAAAAA	0		
PH 07	00555555	55555556	00AAAAAA	AAAAAAAB	00000000	00000000	FFAAAAAA	AAAAAAA	ED	00	AAAAAAA	2		
PH 08	00AAAAAA	AAAAAAAB	00AAAAAA	AAAAAAAB	00000000	00000000	FFAAAAAA	AAAAAAA	ED	37	AAAAAAA	0		
PH 08	00AAAAAA	AAAAAAAB	00AAAAAA	AAAAAAAB	00000000	00000000	FFAAAAAA	AAAAAAA	EE	37	AAAAAAA	4		
CLK 02	FFRFFFFF	FFRFFFFF	00155555	55555556	00600000	00000000	FFAAAAAA	AAAAAAA	EE	36	AAAAAAA	4		
CLK 03	FFD55555	55555556	FF7FFFFF	55555556	00C00000	00000000	FFAAAAAA	AAAAAAA	EE	35	AAAAAAA	4		
CLK 04	FFRFFFFF	FFRFFFFF	FFAAAAAA	AAAAAAAB	00800000	00000000	FFAAAAAA	AAAAAAA	EE	34	AAAAAAA	4		
CLK 05	00555555	55555556	FFRFFFFF	55555556	00000000	00000000	FFAAAAAA	AAAAAAA	EE	33	AAAAAAA	4		
CLK 06	00555555	55555556	54AAAAAA	AAAAAAAB	00000000	00000001	FFAAAAAA	AAAAAAA	EE	32	AAAAAAA	4		
CLK 07	00555555	55555556	52AAAAAA	AAAAAAAB	00000000	00000003	FFAAAAAA	AAAAAAA	EE	31	AAAAAAA	4		
CLK 08	00555555	55555556	4EAAAAAA	AAAAAAAB	00000000	00000007	FFAAAAAA	AAAAAAA	EE	30	AAAAAAA	4		
CLK 09	00555555	55555556	46AAAAAA	AAAAAAAB	00000000	0000000F	FFAAAAAA	AAAAAAA	EE	2F	AAAAAAA	4		
CLK 10	00555555	55555556	36AAAAAA	AAAAAAAB	00000000	0000001F	FFAAAAAA	AAAAAAA	EE	2E	AAAAAAA	4		
CLK 11	00555555	55555556	16AAAAAA	AAAAAAAB	00000000	0000003F	FFAAAAAA	AAAAAAA	EE	2D	AAAAAAA	4		
CLK 12	00555555	55555556	06AAAAAA	AAAAAAAB	00000000	0000007F	FFAAAAAA	AAAAAAA	EE	2C	AAAAAAA	4		
CLK 13	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	000000FF	FFAAAAAA	AAAAAAA	EE	2B	AAAAAAA	4		
CLK 14	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	000001FF	FFAAAAAA	AAAAAAA	EE	2A	AAAAAAA	4		
CLK 15	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	000003FF	FFAAAAAA	AAAAAAA	EE	29	AAAAAAA	4		
CLK 16	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	000007FF	FFAAAAAA	AAAAAAA	EE	28	AAAAAAA	4		
CLK 17	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	00000FFF	FFAAAAAA	AAAAAAA	EE	27	AAAAAAA	4		
CLK 18	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	0001FFFF	FFAAAAAA	AAAAAAA	EE	26	AAAAAAA	4		
CLK 19	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	0003FFFF	FFAAAAAA	AAAAAAA	EE	25	AAAAAAA	4		
CLK 20	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	0007FFFF	FFAAAAAA	AAAAAAA	EE	24	AAAAAAA	4		
CLK 21	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	000JFFFF	FFAAAAAA	AAAAAAA	EE	23	AAAAAAA	4		
CLK 22	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	001FFFFF	FFAAAAAA	AAAAAAA	EE	22	AAAAAAA	4		
CLK 23	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	003FFFFF	FFAAAAAA	AAAAAAA	EE	21	AAAAAAA	4		
CLK 24	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	007FFFFF	FFAAAAAA	AAAAAAA	EE	20	AAAAAAA	4		
CLK 25	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	00JFFFFF	FFAAAAAA	AAAAAAA	EE	1F	AAAAAAA	4		
CLK 26	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	001FFFFF	FFAAAAAA	AAAAAAA	EE	1E	AAAAAAA	4		
CLK 27	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	003FFFFF	FFAAAAAA	AAAAAAA	EE	1D	AAAAAAA	4		
CLK 28	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	007FFFFF	FFAAAAAA	AAAAAAA	EE	1C	AAAAAAA	4		
CLK 29	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	00JFFFFF	FFAAAAAA	AAAAAAA	EE	1B	AAAAAAA	4		
CLK 30	00555555	55555556	56AAAAAA	AAAAAAAB	00000000	01FFFFF	FFAAAAAA	AAAAAAA	EE	1A	AAAAAAA	4		

TEST	N9	FC	R	EW	RU1	EWU1								
FDL	04	5	EE555555	DBAAAAAA	55555555	AAAAAAA								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW		
CLK 31	00555555	51555556	56AAAAAA	A6AAAAAC	00000000	03FFFFFF	FFAAAAAA	AAAAAAA	EE	19	AAAAAAA	4		
CLK 32	00555555	40555556	56AAAAAA	A2AAAAAC	00000000	07FFFFFF	FFAAAAAA	AAAAAAA	EE	18	AAAAAAA	4		
CLK 33	00555555	45555556	56AAAAAA	9AAAAAAC	00000000	0FFFFFFF	FFAAAAAA	AAAAAAA	EE	17	AAAAAAA	4		
CLK 34	00555555	35555556	56AAAAAA	8AAAAAAC	00000000	1FFFFFFF	FFAAAAAA	AAAAAAA	EE	16	AAAAAAA	4		
CLK 35	00555555	15555556	56AAAAAA	6AAAAAAC	00000000	3FFFFFFF	FFAAAAAA	AAAAAAA	EE	15	AAAAAAA	4		
CLK 36	00555554	D5555556	56AAAAAA	2AAAAAAC	00000000	7FFFFFFF	FFAAAAAA	AAAAAAA	EE	14	AAAAAAA	4		
CLK 37	00555554	55555556	56AAAAA9	AAAAAAC	00000000	FFFFFFF	FFAAAAAA	AAAAAAA	EE	13	AAAAAAA	4		
CLK 38	00555553	55555556	56AAAAA8	AAAAAAC	00000001	FFFFFFF	FFAAAAAA	AAAAAAA	EE	12	AAAAAAA	4		
CLK 39	00555551	55555556	56AAAAA6	AAAAAAC	00000003	FFFFFFF	FFAAAAAA	AAAAAAA	EE	11	AAAAAAA	4		
CLK 40	00555540	55555556	56AAAAA2	AAAAAAC	00000007	FFFFFFF	FFAAAAAA	AAAAAAA	EE	10	AAAAAAA	4		
CLK 41	00555545	55555556	56AAAA9A	AAAAAAC	0000000F	FFFFFFF	FFAAAAAA	AAAAAAA	EE	0F	AAAAAAA	4		
CLK 42	00555535	55555556	56AAAA8A	AAAAAAC	0000001F	FFFFFFF	FFAAAAAA	AAAAAAA	EE	0E	AAAAAAA	4		
CLK 43	00555515	55555556	56AAAA6A	AAAAAAC	0000003F	FFFFFFF	FFAAAAAA	AAAAAAA	EE	0D	AAAAAAA	4		
CLK 44	00555405	55555556	56AAAA2A	AAAAAAC	0000007F	FFFFFFF	FFAAAAAA	AAAAAAA	EE	0C	AAAAAAA	4		
CLK 45	00554555	55555556	56AAAA9A	AAAAAAC	000000FF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	0B	AAAAAAA	4		
CLK 46	00553555	55555556	56AAAA8A	AAAAAAC	000001FF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	0A	AAAAAAA	4		
CLK 47	00551555	55555556	56AAAA6A	AAAAAAC	000003FF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	09	AAAAAAA	4		
CLK 48	00554055	55555556	56AAAA2A	AAAAAAC	000007FF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	08	AAAAAAA	4		
CLK 49	00554555	55555556	56AAAA9A	AAAAAAC	00000FFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	07	AAAAAAA	4		
CLK 50	00553555	55555556	56AAAA8A	AAAAAAC	00001FFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	06	AAAAAAA	4		
CLK 51	00551555	55555556	56AAAA6A	AAAAAAC	00003FFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	05	AAAAAAA	4		
CLK 52	00540555	55555556	56AAAA2A	AAAAAAC	00007FFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	04	AAAAAAA	4		
CLK 53	00545555	55555556	56A9AAAA	AAAAAAC	0000FFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	03	AAAAAAA	4		
CLK 54	00535555	55555556	56A8AAAA	AAAAAAC	0001FFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	02	AAAAAAA	4		
CLK 55	00515555	55555556	56A6AAAA	AAAAAAC	0003FFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	01	AAAAAAA	4		
CLK 56	00405555	55555556	56A2AAAA	AAAAAAC	0007FFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	00	AAAAAAA	4		
CLK 57	00455555	55555556	569AAAAA	AAAAAAC	000FFFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	FF	AAAAAAA	4		
CLK 58	001FFFFF	FFFFFFF	568AAAAA	AAAAAAC	001FFFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	FE	AAAAAAA	4		
PH 09	001FFFFF	FFFFFFF	001FFFFF	FFFFFFF	001FFFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	FE	FFFFFFF	4		
PH 10	001FFFFF	FFFFFFF	001FFFFF	FFFFFFF	001FFFFF	FFFFFFF	FFAAAAAA	AAAAAAA	EE	FE	2E1FFFFF	4		

TEST	N9	FC	R	EW	RU1	EWU1								
FDL	05	5	20000000	436BD23B	00000000	6869210F								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW		
PH 01	00000000	20000000	00000000	00000000	00000000	00000000	00000000	00000000	EE	FE	20000000	4		
PH 02	006BD23B	43000000	00000000	20000000	00000000	00000000	00000000	00000000	00	00	436BD23B	0		
PH 03	FF9420C4	0D800000	00000000	00000000	00000000	00000000	00000000	00000000	00	00	00000000	0		
PH 04	FF9420C4	6869210F	00000000	00000000	00000000	00000000	00000000	006BD23B	DD	00	6869210F	0		
PH 06	00000000	00000000	00000000	00000000	00000000	00000000	00000000	006BD23B	DD	00	6869210F	0		
CLK 02	00000000	00000000	00000000	00000000	00000000	00000000	006BD23B	6869210F	DC	FF	6869210F	0		
PH 09	00000000	00000000	00000000	00000000	00000000	00000000	006BD23B	6869210F	DC	FF	00000000	0		
PH 10	00000000	00000000	00000000	00000000	00000000	00000000	006BD23B	6869210F	DC	FF	00000000	0		

TEST N°	FC	R	EW	RU1	EWU1								
FDL 06	5	1F501355	10000000	9960101A	00000000								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	00501355	1F000000	00000000	00000000	00000000	00000000	00000000	00000000	DC	FF	1F501355	0	
PH 02	00000000	10000000	00501355	1F000000	00000000	00000000	00000000	00000000	00	00	10000000	0	
PH 03	00501355	0F800000	00501355	1F800000	00000000	00000000	00000000	10000000	00	00	9960101A	0	
PH 04	00501355	00000000	00501355	9960101A	00000000	00000000	00000000	10000000	0F	00	00000000	1	
PH 05	00000000	00000000	00501355	9960101A	00000000	00000000	00000000	00000000	0F	00	00000000	0	
CL< 02	00000000	00000000	00000000	00000000	00000000	00000000	00501355	9960101A	10	00	00000000	2	
PH 09	00000000	00000000	00000000	00000000	00000000	00000000	00501355	9960101A	10	00	00000000	2	
PH 10	00000000	00000000	00000000	00000000	00000000	00000000	00501355	9960101A	10	00	00000000	2	

TEST N°	FC	R	EW	RU1	EWU1								
FDL 07	5	30100000	DFC962FB	00000000	76D8F280								
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	00100000	30000000	00000000	00000000	00000000	00000000	00000000	00000000	10	00	30100000	2	
PH 02	03C962FB	DF000000	00100000	30000000	00000000	00000000	00000000	00000000	00	00	DFC962FB	0	
PH 03	FF0962FC	10000000	00100000	30800000	00000000	00000000	FFC962FB	DF800000	00	00	00000000	0	
PH 04	FF0962FC	76D8F280	00100000	00000000	00000000	00000000	FFC962FB	DF800000	10	00	76D8F280	0	
PH 06	00100000	00000000	00100000	00000000	00000000	00000000	FFC962FB	76D8F280	10	00	76D8F280	0	
PH 07	FF0962FB	76D8F280	00100000	00000000	00000000	00000000	FFC962FB	76D8F280	10	00	76D8F280	0	
PH 08	00100000	00000000	00100000	00000000	00000000	00000000	FFC962FB	76D8F280	10	37	76D8F280	4	
CL< 02	FF0962FB	76D8F280	00200000	00000000	00000000	00000000	FFC962FB	76D8F280	10	36	76D8F280	4	
CL< 03	000962FB	76D8F280	FFD2C5F6	EDB1E500	00000000	00000000	FFC962FB	76D8F280	10	35	76D8F280	4	
CL< 04	FF0C28F2	648AD780	8012C5F6	EDB1E500	00000000	00000000	FFC962FB	76D8F280	10	34	76D8F280	4	
CL< 05	FFEEEEF9	523C8C80	FFB851E4	C915AF00	00000000	00000000	FFC962FB	76D8F280	10	33	76D8F280	4	
CL< 06	00147A07	2DA08680	FFDDDD02	A4797900	00000000	00000004	FFC962FB	76D8F280	10	32	76D8F280	4	
CL< 07	FF258A99	D219FF80	8028F5AE	5B410D00	00000000	00000000	FFC962FB	76D8F280	10	31	76D8F280	4	
CL< 08	00194E58	2D5B0C80	FFE4B153	A433FF00	00000000	00000012	FFC962FB	76D8F280	10	30	76D8F280	4	
CL< 09	FFFFFAB	D18F0880	80369C90	5AR61900	00000000	00000025	FFC962FB	76D8F280	10	2F	76D8F280	4	
CL< 10	00369C5C	2C452480	FFFFF57	A31E1700	00000000	0000004A	FFC962FB	76D8F280	10	2E	76D8F280	4	
CL< 11	003698B3	CF633880	806D3388	588A4900	00000000	00000095	FFC962FB	76D8F280	10	2D	76D8F280	4	
CL< 12	00369A63	159F6980	806D3767	9FC67700	00000000	00000123	FFC962FB	76D8F280	10	2C	76D8F280	4	
CL< 13	003697C1	A217C580	806D34C6	2B3ED300	00000000	00000257	FFC962FB	76D8F280	10	2B	76D8F280	4	
CL< 14	0036927E	8B0A7D80	806D2F83	442F8800	00000000	000004AF	FFC962FB	76D8F280	10	2A	76D8F280	4	
CL< 15	003687F8	ECE9FD80	806D24FD	7610F800	00000000	0000095F	FFC962FB	76D8F280	10	29	76D8F280	4	
CL< 16	003672ED	50ACC080	806D0FF1	79D3D900	00000000	000012BF	FFC962FB	76D8F280	10	28	76D8F280	4	
CL< 17	003648D6	18328080	806CE5DA	A1599A00	00000000	0000257F	FFC962FB	76D8F280	10	27	76D8F280	4	
CL< 18	0035F4A7	A73E0080	806C91AC	30651800	00000000	00004AFF	FFC962FB	76D8F280	10	26	76D8F280	4	
CL< 19	00354C4A	C5550080	8068E94F	4E7C1300	00000000	000095FF	FFC962FB	76D8F280	10	25	76D8F280	4	
CL< 20	0033F391	01830080	806A9895	8AAA1800	00000000	000128FF	FFC962FB	76D8F280	10	24	76D8F280	4	
CL< 21	00315A1D	79DF0080	8067F722	03061800	00000000	000257FF	FFC962FB	76D8F280	10	23	76D8F280	4	
CL< 22	002C1736	6A970080	8062B43A	F3BE1800	00000000	0004AFFE	FFC962FB	76D8F280	10	22	76D8F280	4	
CL< 23	00219148	4C070080	80582E6C	D52E1800	00000000	00095FFF	FFC962FB	76D8F280	10	21	76D8F280	4	
CL< 24	000C85CC	0EE70080	80432200	980E1800	00000000	00128FFF	FFC962FB	76D8F280	10	20	76D8F280	4	
CL< 25	FF026F93	94470080	80190398	10CE1800	00000000	00257FFF	FFC962FB	76D8F280	10	1F	76D8F280	4	
CL< 26	FF0B7A29	32752080	FFC4D027	294E1800	00000000	004AFFFE	FFC962FB	76D8F280	10	1E	76D8F280	4	
CL< 27	002D915B	FE115E80	FF06F457	64EA5100	00000000	0095FFFC	FFC962FB	76D8F280	10	1D	76D8F280	4	
CL< 28	00248593	52F8AF80	805922B7	DC22B000	00000000	0128FFF9	FFC962FB	76D8F280	10	1C	76D8F280	4	
CL< 29	00126E42	1CD05180	80490B66	AS075F00	00000000	0257FFF3	FFC962FB	76D8F280	10	1B	76D8F280	4	
CL< 30	FFEE3FBF	R0799580	8024DCC4	39A0A300	00000000	04AFFFE7	FFC962FB	76D8F280	10	1A	76D8F280	4	
CL< 31	00131C83	EA1A3880	FFDC7F7F	60F32800	00000000	095FFFCF	FFC962FB	76D8F280	10	19	76D8F280	4	

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. Rows include test data for cycles 1 through 10.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, PH, CYCLE, S, A, B, D, E, F, FP, SW. Rows include test data for cycles 1 through 27.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. It lists simulation cycles and various floating-point test results.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. It continues the simulation cycle and test results from page 125.

Table with columns: TEST NB, FC, R, EW, RU1, EWU1, and multiple columns for data points (CYCLE, CLK 31-59, PH 08-10). Rows include test parameters and simulation results.

Table with columns: TEST NB, FC, R, EW, RU1, EWU1, and multiple columns for data points (CYCLE, PH 01-30). Rows include test parameters and simulation results.

Table with 13 columns: TEST NO, FC, R, EW, RU1, EWU1, and 6 columns for FP and SW. It lists simulation data for floating point tests, including test numbers, flags, registers, and various floating-point formats.

Table with 13 columns: TEST NO, FC, R, EW, RU1, EWU1, and 6 columns for FP and SW. It continues simulation data for floating point tests, similar to the previous page.

Table with columns: TEST N9, FC, R, EW, RU1, EWU1, CYCLE, S(45=71), S(00=31), A(47=71), A(00=31), B(48=71), B(00=31), D(46=71), D(00=31), E, F, FP, SW. Rows include CLK 32 through PH 10.

Table with columns: TEST N9, FC, R, EW, RU1, EWU1, CYCLE, S(45=71), S(00=31), A(47=71), A(00=31), B(48=71), B(00=31), D(46=71), D(00=31), E, F, FP, SW. Rows include PH 01 through CLK 31.

Table with columns: TEST N6 FC R EW RU1 EWU1, and rows for CYCLE, CLK (1-10), PH (01-10), and PL (01-10). Each row contains numerical data and labels like S(45=71), A(47=71), B(48=71), D(46=71), E, F, FP, and SW.

Table with columns: TEST N6 FC R EW RU1 EWU1, and rows for PH (01-30) and PL (01-30). Each row contains numerical data and labels like S(45=71), A(47=71), B(48=71), D(46=71), E, F, FP, and SW.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. Rows include test data for FDL 24 5, showing various floating point operations and results.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. Rows include test data for FDL 25 5, showing various floating point operations and results.

TEST N°	FC	R	EW	RUI	EWU1							
FDL 26	5	475E3AF9	D1F375DB	FEDCBA98	ECA86424							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
CLK 30	00895705	C0CCB240	FFF0B4C4	8B52F480	00000000	0783BDE0	FF375DBE	CA864240	1A	1A	ECA86424	4
CLK 31	00AA0B3A	4C1FA6C0	C072AE0B	81996480	00000000	0F0775C1	FF375DBE	CA864240	1A	19	ECA86424	4
CLK 32	008B7553	62C58FC0	C0541794	983F4D80	00000000	1E0EF783	FF375DBE	CA864240	1A	18	ECA86424	4
CLK 33	004E4865	901161C0	C016EAA6	C58B1F80	00000000	3C1DEF07	FF375DBE	CA864240	1A	17	ECA86424	4
CLK 34	FFD3EE89	EAA905C0	C09C90CB	2022C380	00000000	783BDE0F	FF375DBE	CA864240	1A	16	ECA86424	4
CLK 35	00707F55	0ACBC940	FFA7D013	D5520B80	00000000	F077BC1E	FF375DBE	CA864240	1A	15	ECA86424	4
CLK 36	00185C68	E01DD4C0	C0E0FEA4	15979280	00000001	E0EF783D	FF375DBE	CA864240	1A	14	ECA86424	4
CLK 37	FF681690	8AC1E9C0	C030B8D1	C03BA980	00000003	C1DEF07B	FF375DBE	CA864240	1A	13	ECA86424	4
CLK 38	FF98CF62	4AFD9540	FFD02D21	1583D780	00000007	83BDE0F6	FF375DBE	CA864240	1A	12	ECA86424	4
CLK 39	FFFA4405	CB74E840	FF319EC4	95FB2A80	0000000F	077BC1EC	FF375DBE	CA864240	1A	11	ECA86424	4
CLK 40	008D244C	CC638E40	FFF4820B	96E9D080	0000001E	0EF783D8	FF375DBE	CA864240	1A	10	ECA86424	4
CLK 41	0081A658	634D5FC0	C07A4899	98C71C80	0000003C	1DEFO7B1	FF375DBE	CA864240	1A	0F	ECA86424	4
CLK 42	009AAAF6	9120FFC0	C0634C80	C69ABD80	00000078	3BDE0F63	FF375DBE	CA864240	1A	0E	ECA86424	4
CLK 43	006CB29D	ECC841C0	C03554DF	2241FF80	000000F0	77BC1EC7	FF375DBE	CA864240	1A	0D	ECA86424	4
CLK 44	0010C2FA	A416C5C0	C0D9653B	09908380	0000001E	EF783D8F	FF375DBE	CA864240	1A	0C	ECA86424	4
CLK 45	FF58E3B4	12B3C0C0	C02185F5	482D8880	0000003C	DEF07B1F	FF375DBE	CA864240	1A	0B	ECA86424	4
CLK 46	FF7A69A9	5AE15940	FFB1C768	25679880	00000078	BDE0F63E	FF375DBE	CA864240	1A	0A	ECA86424	4
CLK 47	FF8D7593	EB3C7040	FFF4D352	85C2B280	000000F0	78C1EC7C	FF375DBE	CA864240	1A	09	ECA86424	4
CLK 48	00438D69	0BF29E40	FF7AE377	D678E080	00001E0E	F783D8F8	FF375DBE	CA864240	1A	08	ECA86424	4
CLK 49	FF8E7890	E26B7E00	C0871AD2	17E53C80	000003C1	EF07B1F1	FF375DBE	CA864240	1A	07	ECA86424	4
CLK 50	00459362	F450BB40	FF7CF121	C4D6F080	0000783B	DE0F63E2	FF375DBE	CA864240	1A	06	ECA86424	4
CLK 51	FFC28484	8F2788C0	C08B26C5	F4A17680	0000F077	8C1EC7C5	FF375DBE	CA864240	1A	05	ECA86424	4
CLK 52	004DAB4A	B3C92F40	FF850909	7E4F7180	0001E0EF	783D8F8A	FF375DBE	CA864240	1A	04	ECA86424	4
CLK 53	FFD28454	3218A0C0	C09B5695	67925E80	00003C1D	F07B1F15	FF375DBE	CA864240	1A	03	ECA86424	4
CLK 54	006E0AE9	99AAFF40	FFA568A8	64314180	000783BD	E0F63E2A	FF375DBE	CA864240	1A	02	ECA86424	4
CLK 55	00137391	FDDC40C0	C0DC15D3	3355FE80	000F077B	C1EC7C55	FF375DBE	CA864240	1A	01	ECA86424	4
CLK 56	FF5E44F2	C63EC3C0	C026E723	F8881180	001E0EF7	83D8F8AB	FF375DBE	CA864240	1A	00	ECA86424	4
CLK 57	FF852C06	C1F74540	FF8C89C5	8C7D8780	003C1DEF	07B1F156	FF375DBE	CA864240	1A	FF	ECA86424	4
CLK 58	00783BDE	0F63E2AC	FF0A58D0	83EE8A80	00783BDE	0F63E2AC	FF375DBE	CA864240	1A	FE	ECA86424	4
PH 09	FF87C421	F09C1D54	00783BDE	0F63E2AC	00783BDE	0F63E2AC	FF375DBE	CA864240	1A	FE	F09C1D54	4
PH 10	FF87C421	F09C1D54	00783BDE	0F63E2AC	00783BDE	0F63E2AC	FF375DBE	CA864240	E5	FE	A587C421	4

TEST N°	FC	R	EW	RUI	EWU1							
FDL 27	5	741EB852	5B73EA65	DB7531FD	FC9630DA							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	001EB852	74000000	00000000	00000000	00000000	00000000	00000000	00000000	E5	FE	741EB852	4
PH 02	0073FA65	58000000	001EB852	74000000	00000000	00000000	00000000	00000000	00	00	5873FA65	0
PH 03	FFAACDEF	19800000	001EB852	74800000	00000000	00000000	00000000	00000000	00	00	DB7531FD	0
PH 04	FFAACDEF	FC9630DA	001EB852	DB7531FD	00000000	00000000	0073EA65	58000000	19	00	FC9630DA	0
PH 06	001EB852	DB7531FD	001EB852	DB7531FD	00000000	00000000	0073EA65	FC9630DA	19	00	FC9630DA	0
PH 07	FFAACDEF	DEDF0123	001EB852	DB7531FD	00000000	00000000	0073EA65	FC9630DA	19	00	FC9630DA	0
PH 08	001EB852	DB7531FD	001EB852	DB7531FD	00000000	00000000	0073EA65	FC9630DA	19	37	FC9630DA	4
PH 09	FFC9863F	8A543320	003D70A5	96AE63FA	00000000	00000000	0073EA65	FC9630DA	19	36	FC9630DA	4
CLK 02	00066F65	713E971A	FF930C7F	74A86640	00000000	00000000	0073EA65	FC9630DA	19	35	FC9630DA	4
CLK 03	FF9A0364	E5E6F05A	5A0DE0CA	E2D02E34	00000000	00000001	0073EA65	FC9630DA	19	34	FC9630DA	4
CLK 04	FFA7F12F	C864288E	FF3406C9	BCDF0A84	00000000	00000002	0073EA65	FC9630DA	19	33	FC9630DA	4
CLK 05	FFC3CC55	8D5E87F6	FF4FE25F	90C8571C	00000000	00000004	0073EA65	FC9630DA	19	32	FC9630DA	4
CLK 06	FFFB83F1	175340C6	FF87998B	1ABD0FEC	00000000	00000003	0073EA65	FC9630DA	19	31	FC9630DA	4
CLK 07	006AF248	2B3CB266	FFF707E2	2EA6818C	00000000	00000010	0073EA65	FC9630DA	19	30	FC9630DA	4
CLK 08	0061FA2A	59E333F2	F2D5E490	567964CC	00000000	00000021	0073EA65	FC9630DA	19	2F	FC9630DA	4
CLK 09	005009FE	8730370A	0AC3F454	B3C667E4	00000000	00000043	0073EA65	FC9630DA	19	2E	FC9630DA	4
CLK 10	002C2977	71CA3D3A	3AA013D0	6E606E14	00000000	00000087	0073EA65	FC9630DA	19	2D	FC9630DA	4
CLK 11	FFE46888	E6FE499A	9A5852CE	E3947A74	00000000	0000010F	0073EA65	FC9630DA	19	2C	FC9630DA	4
CLK 12	003CB877	CA92C40E	FFC8D111	CDFC9334	00000000	0000021E	0073EA65	FC9630DA	19	2B	FC9630DA	4
CLK 13	00058C99	988F5742	427976FE	9525881C	00000000	0000043D	0073EA65	FC9630DA	19	2A	FC9630DA	4
CLK 14	FF92FEAD	34887DAA	AA0B1913	311EAE84	00000000	00000873	0073EA65	FC9630DA	19	29	FC9630DA	4
CLK 15	FFA247C0	65A72C2E	FF2E5D5A	6910FB54	00000000	000010F6	0073EA65	FC9630DA	19	28	FC9630DA	4
CLK 16	FF88796C	C7E48936	FF448F80	CB4E585C	00000000	000021EC	0073EA65	FC9630DA	19	27	FC9630DA	4
CLK 17	FFE4DE33	8C5F4346	FF70F3CD	8FC9126C	00000000	000043D8	0073EA65	FC9630DA	19	26	FC9630DA	4
CLK 18	003DA6CD	1554B766	FFC98C67	18BE868C	00000000	0000C87B0	0073EA65	FC9630DA	19	25	FC9630DA	4
CLK 19	00076334	2E133DF2	F27B4D9A	2AA96ECC	00000000	00010F61	0073EA65	FC9630DA	19	24	FC9630DA	4
CLK 20	FF9ADC02	5F90490A	0A0EC648	5C267B54	00000000	00021EC3	0073EA65	FC9630DA	19	23	FC9630DA	4
CLK 21	FFA9A26A	B8B6C6EE	FF35B804	BF209614	00000000	00043D86	0073EA65	FC9630DA	19	22	FC9630DA	4
CLK 22	FFC72F39	74038E86	FF534405	776D8DDC	00000000	0008790C	0073EA65	FC9630DA	19	21	FC9630DA	4
CLK 23	0002488C	E49DAE46	FF8E5E76	F8077D6C	00000000	0010F618	0073EA65	FC9630DA	19	20	FC9630DA	4
CLK 24	FF9A29D3	CCAS28B2	B20491B9	C9385C8C	00000000	0021EC31	0073EA65	FC9630DA	19	1F	FC9630DA	4
CLK 25	FF95375D	95E0883F	FF214EA7	994A5764	00000000	0043D862	0073EA65	FC9630DA	19	1E	FC9630DA	4
CLK 26	FF9E5C81	2857415A	FF2A7213	2AC1107C	00000000	0087B0C4	0073EA65	FC9630DA	19	1D	FC9630DA	4
CLK 27	FFB0A368	4D448386	FF3CB902	50AE82AC	00000000	010F6188	0073EA65	FC9630DA	19	1C	FC9630DA	4
CLK 28	FFD53136	971F97E6	FF6146D0	9A89670C	00000000	021EC310	0073EA65	FC9630DA	19	1B	FC9630DA	4
CLK 29	001E4CD3	2AD560A6	FFAA626D	2E3F2FC2	00000000	043D8620	0073EA65	FC9630DA	19	1A	FC9630DA	4
CLK 30	FFC8AF40	59149072	723C99A6	55AAC14C	00000000	08780C41	0073EA65	FC9630DA	19	19	FC9630DA	4

TEST N9 FC R EW RU1 EWU1
FDL 27 5 741EB852 5B73EA65 DB7531FD FC9630DA

Table with columns: CYCLE, S(45-71), S(00-31), A(47-71), A(00-31), B(48-71), B(00-31), D(46-71), D(00-31), E, F, FP, SW. Rows include CLK 32 through PH 10.

TEST N9 FC R EW RU1 EWU1
FDL 28 5 D397531E ECA8642F 50B61C72 D83EA62E

Table with columns: CYCLE, S(45-71), S(00-31), A(47-71), A(00-31), B(48-71), B(00-31), D(46-71), D(00-31), E, F, FP, SW. Rows include PH 01 through CLK 30.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. Rows include data for cycles 31-50 and PH 09-10.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, A, B, D, E, F, FP, SW. Rows include data for cycles 29-30 and PH 01-30.

TEST N8 FC R EW RJ1 EWU1
FDL 29 5 373FB841 9C4FA62E F93EA754 94E9520F

Table with columns: CYCLE, S(45-71), S(00-31), A(47-71), A(00-31), B(48-71), B(00-31), D(46-71), D(00-31), E, F, FP, SW. Rows include CLK 31 through PH 10.

TEST N8 FC R EW RJ1 EWU1
FDL 30 5 F095EC82 0F951E8A F7E6E3A5 D3F9ECA8

Table with columns: CYCLE, S(45-71), S(00-31), A(47-71), A(00-31), B(48-71), B(00-31), D(46-71), D(00-31), E, F, FP, SW. Rows include PH 01 through CLK 31.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, S, A, A, B, B, D, D, E, F, FP, SW. Rows include test details and simulation cycles from 31 to 10.

Table with columns: TEST NO, FC, R, EW, RU1, EWU1, CYCLE, S, S, A, A, B, B, D, D, E, F, FP, SW. Rows include test details and simulation cycles from 01 to 28.

Table with columns: TEST FOL, No, FC, R, EW, RU1, EWU1, and data columns E, F, FP, SW. Contains simulation data for test FOL 37.

Table with columns: TEST FOL, No, FC, R, EW, RU1, EWU1, and data columns E, F, FP, SW. Contains simulation data for test FOL 38.

TEST N°	FC	R	EW	RU1	EWU1								
FDS 02	5	4C008B51	33007A40										
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW	
PH 01	00008B51	4C000000	00000000	00000000	00000000	00000000	00000000	00000000	0E	FE	4C008B51	0	
PH 02	00007A40	33000000	00008B51	4C000000	00000000	00000000	00000000	00000000	00	00	33007A40	0	
PH 03	00001111	11800000	00008B51	4C800000	00000000	00000000	00007A40	3B000000	00	00	00000000	0	
PH 04	00001111	00000000	00008B51	00000000	00000000	00000000	00007A40	3B000000	11	00	00000000	1	
PH 05	00007A40	00000000	00008B51	00000000	00000000	00000000	00007A40	00000000	11	00	00000000	0	
CLK 02	0007A400	00000000	0007A400	00000000	00000000	00000000	00008B51	00000000	12	00	00000000	0	
CLK 03	007A4000	00000000	007A4000	00000000	00000000	00000000	00008B51	00000000	13	00	00000000	1	
PH 06	00008B51	00000000	007A4000	00000000	00000000	00000000	00008B51	00000000	13	00	00000000	0	
CLK 02	0008B510	00000000	0008B510	00000000	00000000	00000000	007A4000	00000000	12	FF	00000000	0	
CLK 03	008B5100	00000000	008B5100	00000000	00000000	00000000	007A4000	00000000	11	FE	00000000	0	
PH 07	00111100	00000000	008B5100	00000000	00000000	00000000	007A4000	00000000	11	FE	00000000	2	
PH 08	008B5100	00000000	008B5100	00000000	00000000	00000000	007A4000	00000000	11	17	00000000	0	
PH 08	008B5100	00000000	008B5100	00000000	00000000	00000000	007A4000	00000000	12	17	00000000	0	
CLK 02	FF972A20	00000000	00116A20	00000000	00000000	00000000	007A4000	00000000	12	16	00000000	0	
CLK 03	FFA89440	00000000	FF2E5440	00000000	00000000	00000000	007A4000	00000000	12	15	00000000	0	
CLK 04	FFCB6880	00000000	FF512380	00000000	00000000	00000000	007A4000	00000000	12	14	00000000	0	
CLK 05	00111100	00000000	FF960100	00000000	00000000	00000000	007A4000	00000000	12	13	00000000	0	
CLK 06	FFA7E200	00000000	00222200	00000000	00000001	00000000	007A4000	00000000	12	12	00000000	0	
CLK 07	FFCA0400	00000000	FF4FC400	00000000	00000002	00000000	007A4000	00000000	12	11	00000000	0	
CLK 08	000E4800	00000000	FF940800	00000000	00000004	00000000	007A4000	00000000	12	10	00000000	0	
CLK 09	FFA25000	00000000	001C9000	00000000	00000009	00000000	007A4000	00000000	12	0F	00000000	0	
CLK 10	FFBEF000	00000000	FF44A000	00000000	00000012	00000000	007A4000	00000000	12	0E	00000000	0	
CLK 11	FFF80000	00000000	FF70C000	00000000	00000024	00000000	007A4000	00000000	12	0D	00000000	0	
CLK 12	004A4000	00000000	FFF00000	00000000	00000048	00000000	007A4000	00000000	12	0C	00000000	0	
CLK 13	005A4000	00000000	00D48000	00000000	00000091	00000000	007A4000	00000000	12	0B	00000000	0	
CLK 14	003A4000	00000000	00B48000	00000000	00000123	00000000	007A4000	00000000	12	0A	00000000	0	
CLK 15	FFFA4000	00000000	00748000	00000000	00000247	00000000	007A4000	00000000	12	09	00000000	0	
CLK 16	006EC000	00000000	FFF48000	00000000	0000048E	00000000	007A4000	00000000	12	08	00000000	0	
CLK 17	00634000	00000000	00D08000	00000000	0000091D	00000000	007A4000	00000000	12	07	00000000	0	
CLK 18	004C4000	00000000	00C68000	00000000	0000123B	00000000	007A4000	00000000	12	06	00000000	0	
CLK 19	001E4000	00000000	00988000	00000000	00002477	00000000	007A4000	00000000	12	05	00000000	0	
CLK 20	FFC24000	00000000	003C8000	00000000	000048EF	00000000	007A4000	00000000	12	04	00000000	0	
CLK 21	FFFEC000	00000000	FFB48000	00000000	000091DE	00000000	007A4000	00000000	12	03	00000000	0	
CLK 22	0077C000	00000000	FFFD8000	00000000	0001233C	00000000	007A4000	00000000	12	02	00000000	0	
CLK 23	00754000	00000000	00EF8000	00000000	00024779	00000000	007A4000	00000000	12	01	00000000	0	
CLK 24	00704000	00000000	00EA8000	00000000	00048EF3	00000000	007A4000	00000000	12	00	00000000	0	
CLK 25	00664000	00000000	00E08000	00000000	00091DE7	00000000	007A4000	00000000	12	FF	00000000	0	

TEST N°	FC	R	EW	RU1	EWU1							
FDS 02	5	4C008B51	33007A40									
CYCLE	S(45-71)	S(00-31)	A(47-71)	A(00-31)	B(48-71)	B(00-31)	D(46-71)	D(00-31)	E	F	FP	SW
CLK 26	00123BCF	00000000	00CC8000	00000000	00123BCF	00000000	007A4000	00000000	12	FE	00000000	0
PH 09	00123BCF	00000000	00123BCF	00000000	00123BCF	00000000	007A4000	00000000	12	FE	00000000	0
PH 10	00123BCF	00000000	00123BCF	00000000	00123BCF	00000000	007A4000	00000000	12	FE	52123BCF	0

TEST N°	FC	R	EW	RU1	EWU1									
POS	03	5	6E0000D7	99FFFF6C										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
PH 01	000000D7	6E000000	00000000	00000000	00000000	00000000	00000000	00000000	12	FE	6E0000D7	0		
PH 02	03FFFF6C	99000000	000000D7	6E000000	00000000	00000000	00000000	00000000	00	00	99FFFF6C	0		
PH 03	00000044	08000000	000000D7	6E800000	00000000	00000000	FFFFF6C	99800000	00	00	00000000	0		
PH 04	00000044	00000000	000000D7	00000000	00000000	00000000	FFFFF6C	99800000	08	00	00000000	1		
PH 05	FFFFF6C	00000000	000000D7	00000000	00000000	00000000	FFFFF6C	00000000	08	00	00000000	0		
CLK 02	FFFFF6C0	00000000	FFFFF6C0	00000000	00000000	00000000	000000D7	00000000	09	00	00000000	0		
CLK 03	FFFFF6C0	00000000	FFFFF6C0	00000000	00000000	00000000	000000D7	00000000	0A	00	00000000	0		
CLK 04	FFF6C000	00000000	FFF6C000	00000000	00000000	00000000	000000D7	00000000	0B	00	00000000	0		
CLK 05	FF6C0000	00000000	FF6C0000	00000000	00000000	00000000	000000D7	00000000	0C	00	00000000	1		
PH 06	000000D7	00000000	FF6C0000	00000000	00000000	00000000	000000D7	00000000	0C	00	00000000	0		
CLK 02	000000D70	00000000	000000D70	00000000	00000000	00000000	FF6C0000	00000000	0B	FF	00000000	0		
CLK 03	00000700	00000000	0000D700	00000000	00000000	00000000	FF6C0000	00000000	0A	FE	00000000	0		
CLK 04	000D7000	00000000	000D7000	00000000	00000000	00000000	FF6C0000	00000000	09	FD	00000000	0		
CLK 05	00D70000	00000000	00D70000	00000000	00000000	00000000	FF6C0000	00000000	08	FC	00000000	0		
PH 07	00430000	00000000	00D70000	00000000	00000000	00000000	FF6C0000	00000000	08	FC	00000000	2		
PH 08	00D70000	00000000	00D70000	00000000	00000000	00000000	FF6C0000	00000000	08	17	00000000	0		
PH 08	000D7000	00000000	000D7000	00000000	00000000	00000000	FF6C0000	00000000	09	17	00000000	0		
CLK 02	FF86E000	00000000	001AE000	00000000	00000000	00000000	FF6C0000	00000000	09	16	00000000	0		
CLK 03	FFA1C000	00000000	FF0DC000	00000000	00000000	00000000	FF6C0000	00000000	09	15	00000000	0		
CLK 04	FFD78000	00000000	FF438000	00000000	00000000	00000000	FF6C0000	00000000	09	14	00000000	0		
CLK 05	00430000	00000000	FFAF0000	00000000	00000000	00000000	FF6C0000	00000000	09	13	00000000	0		
CLK 06	FFF20000	00000000	00860000	00000000	00000001	00000000	FF6C0000	00000000	09	12	00000000	0		
CLK 07	00780000	00000000	FFE40000	00000000	00000002	00000000	FF6C0000	00000000	09	11	00000000	0		
CLK 08	005C0000	00000000	00F00000	00000000	00000005	00000000	FF6C0000	00000000	09	10	00000000	0		
CLK 09	00240000	00000000	00880000	00000000	00000003	00000000	FF6C0000	00000000	09	0F	00000000	0		
CLK 10	FFB40000	00000000	00480000	00000000	00000017	00000000	FF6C0000	00000000	09	0E	00000000	0		
CLK 11	FFF00000	00000000	FF680000	00000000	0000002E	00000000	FF6C0000	00000000	09	0D	00000000	0		
CLK 12	008C0000	00000000	FFF80000	00000000	0000003C	00000000	FF6C0000	00000000	09	0C	00000000	0		
CLK 13	00840000	00000000	00180000	00000000	000000B9	00000000	FF6C0000	00000000	09	0B	00000000	0		
CLK 14	00740000	00000000	00080000	00000000	00000173	00000000	FF6C0000	00000000	09	0A	00000000	0		
CLK 15	00540000	00000000	00E80000	00000000	000002E7	00000000	FF6C0000	00000000	09	09	00000000	0		
CLK 16	00140000	00000000	00A80000	00000000	000005CF	00000000	FF6C0000	00000000	09	08	00000000	0		
CLK 17	FF940000	00000000	00280000	00000000	000000B9F	00000000	FF6C0000	00000000	09	07	00000000	0		
CLK 18	FFB00000	00000000	FF280000	00000000	0000173E	00000000	FF6C0000	00000000	09	06	00000000	0		
CLK 19	000C0000	00000000	FF780000	00000000	00002E7C	00000000	FF6C0000	00000000	09	05	00000000	0		
CLK 20	FF840000	00000000	00180000	00000000	00005CF9	00000000	FF6C0000	00000000	09	04	00000000	0		
CLK 21	FF9C0000	00000000	FF080000	00000000	0000B9F2	00000000	FF6C0000	00000000	09	03	00000000	0		

TEST N°	FC	R	EW	RU1	EWU1									
POS	03	5	6E0000D7	99FFFF6C										
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW		
CLK 22	FFCC0000	00000000	FF380000	00000000	000173E4	00000000	FF6C0000	00000000	09	02	00000000	0		
CLK 23	002C0000	00000000	FF980000	00000000	0002E7C8	00000000	FF6C0000	00000000	09	01	00000000	0		
CLK 24	FFC40000	00000000	00580000	00000000	0005CF91	00000000	FF6C0000	00000000	09	00	00000000	0		
CLK 25	001C0000	00000000	FF880000	00000000	000B9F22	00000000	FF6C0000	00000000	09	FF	00000000	0		
CLK 26	00173E45	00000000	00380000	00000000	00173E45	00000000	FF6C0000	00000000	09	FE	00000000	0		
PH 09	FFF8C1BB	00000000	00173E45	00000000	00173E45	00000000	FF6C0000	00000000	09	FE	00000000	0		
PH 10	FFF8C1BB	00000000	00173E45	00000000	00173E45	00000000	FF6C0000	00000000	F6	FE	B6E8C1BB	0		

Table with columns: TEST Nbr, FC, R, EW, RU1, EWU1, CYCLE, S(45=71), S(00=31), A(47=71), A(00=31), B(48=71), B(00=31), D(46=71), D(00=31), E, F, FP, SW. Rows include PH 01-10 and CLK 01-10.

Table with columns: TEST Nbr, FC, R, EW, RU1, EWU1, CYCLE, S(45=71), S(00=31), A(47=71), A(00=31), B(48=71), B(00=31), D(46=71), D(00=31), E, F, FP, SW. Rows include PH 01-10 and CLK 01-10.

Table with columns: TEST No, FC, R, EW, RU1, EWU1, and a grid of data values. Includes sub-headers for CYCLE, PH, and CLK.

Table with columns: TEST No, FC, R, EW, RU1, EWU1, and a grid of data values. Includes sub-headers for CYCLE, PH, and CLK.

TEST N°	FC	R	EW	RU1	EWU1	8							
FDS 12	5	9CFFF53F	49000AFD										
CYCLE	S(45*71)	S(00*31)	A(47*71)	A(00*31)	B(48*71)	B(00*31)	D(46*71)	D(00*31)	E	F	FP	SW	
PH 01	03FFFF53F	9C000000	00000000	00000000	00000000	00000000	00000000	00000000	04	FE	9CFFF53F	0	
PH 02	00000AFD	49000000	FFFFF53F	9C000000	00000000	00000000	00000000	00000000	00	00	49000AFD	0	
PH 03	FFFEEA42	1A800000	FFFFF53F	63800000	00000000	00000000	00000AFD	49000000	00	00	00000000	0	
PH 04	FFFEEA42	00000000	FFFFF53F	00000000	00000000	00000000	00000AFD	49000000	1A	00	00000000	1	
PH 05	00000AFD	00000000	FFFFF53F	00000000	00000000	00000000	00000AFD	00000000	1A	00	00000000	0	
CLK 02	0000AFD0	00000000	0000AFD0	00000000	00000000	00000000	FFFFF53F	00000000	1B	00	00000000	0	
CLK 03	000AFD00	00000000	000AFD00	00000000	00000000	00000000	FFFFF53F	00000000	1C	00	00000000	0	
CLK 04	00AFD000	00000000	00AFD000	00000000	00000000	00000000	FFFFF53F	00000000	1D	00	00000000	1	
PH 06	00000AC1	00000000	00AFD000	00000000	00000000	00000000	FFFFF53F	00000000	1D	00	00000000	0	
CLK 02	0000AC10	00000000	0000AC10	00000000	00000000	00000000	00AFD000	00000000	1C	FF	00000000	0	
CLK 03	000AC100	00000000	000AC100	00000000	00000000	00000000	00AFD000	00000000	1B	FE	00000000	0	
CLK 04	00AC1000	00000000	00AC1000	00000000	00000000	00000000	00AFD000	00000000	1A	FD	00000000	0	
PH 07	FFFC4000	00000000	00AC1000	00000000	00000000	00000000	00AFD000	00000000	1A	FD	00000000	0	
PH 08	00AC1000	00000000	00AC1000	00000000	00000000	00000000	00AFD000	00000000	1A	17	00000000	0	
CLK 02	00A85000	00000000	00582000	00000000	00000000	00000000	00AFD000	00000000	1A	16	00000000	0	
CLK 03	00A0D000	00000000	0050A000	00000000	00000001	00000000	00AFD000	00000000	1A	15	00000000	0	
CLK 04	0091D000	00000000	0041A000	00000000	00000003	00000000	00AFD000	00000000	1A	14	00000000	0	
CLK 05	0073D000	00000000	0023A000	00000000	00000007	00000000	00AFD000	00000000	1A	13	00000000	0	
CLK 06	0037D000	00000000	00E7A000	00000000	0000000F	00000000	00AFD000	00000000	1A	12	00000000	0	
CLK 07	FF8FD000	00000000	006FA000	00000000	0000001F	00000000	00AFD000	00000000	1A	11	00000000	0	
CLK 08	002F7000	00000000	FF7FA000	00000000	0000003E	00000000	00AFD000	00000000	1A	10	00000000	0	
CLK 09	FFAF1000	00000000	005EE000	00000000	0000007D	00000000	00AFD000	00000000	1A	0F	00000000	0	
CLK 10	000DF000	00000000	FF5E2000	00000000	000000FA	00000000	00AFD000	00000000	1A	0E	00000000	0	
CLK 11	FF6C1000	00000000	001BE000	00000000	000001F5	00000000	00AFD000	00000000	1A	0D	00000000	0	
CLK 12	FF87F000	00000000	FFD82000	00000000	000003EA	00000000	00AFD000	00000000	1A	0C	00000000	0	
CLK 13	FF8FB000	00000000	FF0FE000	00000000	000007D4	00000000	00AFD000	00000000	1A	0B	00000000	0	
CLK 14	002F3000	00000000	FF7FA000	00000000	00000FA8	00000000	00AFD000	00000000	1A	0A	00000000	0	
CLK 15	FFAE9000	00000000	005E6000	00000000	00001F51	00000000	00AFD000	00000000	1A	09	00000000	0	
CLK 16	000CF000	00000000	FF5D2000	00000000	00003EA2	00000000	00AFD000	00000000	1A	08	00000000	0	
CLK 17	FF6A1000	00000000	0019E000	00000000	00007D45	00000000	00AFD000	00000000	1A	07	00000000	0	
CLK 18	FF83F000	00000000	FFD42000	00000000	0000FA8A	00000000	00AFD000	00000000	1A	06	00000000	0	
CLK 19	FF87B000	00000000	FF07E000	00000000	0001F514	00000000	00AFD000	00000000	1A	05	00000000	0	
CLK 20	001F3000	00000000	FF6F6000	00000000	00003EA28	00000000	00AFD000	00000000	1A	04	00000000	0	
CLK 21	FF8E9000	00000000	003E6000	00000000	0007D451	00000000	00AFD000	00000000	1A	03	00000000	0	
CLK 22	FFCCF000	00000000	FF1D2000	00000000	000FA8A2	00000000	00AFD000	00000000	1A	02	00000000	0	
CLK 23	0049B000	00000000	FF99E000	00000000	001F5144	00000000	00AFD000	00000000	1A	01	00000000	0	
CLK 24	FFE39000	00000000	00936000	00000000	003EA289	00000000	00AFD000	00000000	1A	00	00000000	0	

TEST N°	FC	R	EW	RU1	EWU1	8							
FDS 12	5	9CFFF53F	49000AFD										
CYCLE	S(45*71)	S(00*31)	A(47*71)	A(00*31)	B(48*71)	B(00*31)	D(46*71)	D(00*31)	E	F	FP	SW	
CLK 25	0076F000	00000000	FFC72000	00000000	007D4512	00000000	00AFD000	00000000	1A	FF	00000000	0	
CLK 26	00FABA25	00000000	00EDE000	00000000	00FABA25	00000000	00AFD000	00000000	1A	FE	00000000	0	
PH 09	FF0575DB	00000000	00FABA25	00000000	00FABA25	00000000	00AFD000	00000000	1A	FE	00000000	0	
PH 10	FF0575DC	00000000	00FABA25	00000000	00FABA25	00000000	00AFD000	00000000	E5	FE	A0575DC	0	

TEST N°	FC	R	EW	RUI	EWU1	0	E	F	FP	SW
FDS 13	5	80FFFFFF5	93FFFFFF8							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)		
PH 01	03FFFFFF5	80000000	00000000	00000000	00000000	00000000	00000000	00000000	E5 FE	80FFFFFF5 0
PH 02	03FFFFFF8	93000000	FFFFFFF5	80000000	00000000	00000000	00000000	00000000	00 00	93FFFFFF8 0
PH 03	FFFFFFFEE	13000000	FFFFFFF5	7F800000	00000000	00000000	FFFFFFF8	93800000	00 00	00000000 0
PH 04	FFFFFFFEE	00000000	FFFFFFF5	00000000	00000000	00000000	FFFFFFF8	93800000	13 00	00000000 1
PH 05	FFFFFFF8	00000000	FFFFFFF5	00000000	00000000	00000000	FFFFFFF8	00000000	13 00	00000000 0
CLK 02	FFFFFFF80	00000000	FFFFFFF80	00000000	00000000	00000000	FFFFFFF5	00000000	14 00	00000000 0
CLK 03	FFFFFF800	00000000	FFFFFF800	00000000	00000000	00000000	FFFFFFF5	00000000	15 00	00000000 0
CLK 04	FFFF8000	00000000	FFFF8000	00000000	00000000	00000000	FFFFFFF5	00000000	16 00	00000000 0
CLK 05	FF800000	00000000	FF800000	00000000	00000000	00000000	FFFFFFF5	00000000	17 00	00000000 0
CLK 06	FF800000	00000000	FF800000	00000000	00000000	00000000	FFFFFFF5	00000000	18 00	00000000 1
PH 06	0000000B	00000000	FF800000	00000000	00000000	00000000	FFFFFFF5	00000000	18 00	00000000 0
CLK 02	000000B0	00000000	000000B0	00000000	00000000	00000000	FF800000	00000000	17 FF	00000000 0
CLK 03	000000B0	00000000	000000B0	00000000	00000000	00000000	FF800000	00000000	16 FE	00000000 0
CLK 04	0000B000	00000000	0000B000	00000000	00000000	00000000	FF800000	00000000	15 FD	00000000 0
CLK 05	000B0000	00000000	000B0000	00000000	00000000	00000000	FF800000	00000000	14 FC	00000000 0
CLK 06	00B00000	00000000	00B00000	00000000	00000000	00000000	FF800000	00000000	13 FB	00000000 0
PH 07	00300000	00000000	00B00000	00000000	00000000	00000000	FF800000	00000000	13 FB	00000000 2
PH 08	00B00000	00000000	00B00000	00000000	00000000	00000000	FF800000	00000000	13 17	00000000 0
PH 08	00B00000	00000000	00B00000	00000000	00000000	00000000	FF800000	00000000	14 17	00000000 0
CLK 02	FF960000	00000000	00160000	00000000	00000000	00000000	FF800000	00000000	14 16	00000000 0
CLK 03	FFAC0000	00000000	FF2C0000	00000000	00000000	00000000	FF800000	00000000	14 15	00000000 0
CLK 04	FF800000	00000000	FF580000	00000000	00000000	00000000	FF800000	00000000	14 14	00000000 0
CLK 05	00300000	00000000	FFB00000	00000000	00000000	00000000	FF800000	00000000	14 13	00000000 0
CLK 06	FFE00000	00000000	00600000	00000000	00000001	00000000	FF800000	00000000	14 12	00000000 0
CLK 07	00400000	00000000	FFC00000	00000000	00000002	00000000	FF800000	00000000	14 11	00000000 0
CLK 08	00000000	00000000	00800000	00000000	00000005	00000000	FF800000	00000000	14 10	00000000 0
CLK 09	FF800000	00000000	00000000	00000000	0000000B	00000000	FF800000	00000000	14 0F	00000000 0
CLK 10	FF800000	00000000	FF000000	00000000	00000016	00000000	FF800000	00000000	14 0E	00000000 0
CLK 11	FF800000	00000000	FF000000	00000000	0000002C	00000000	FF800000	00000000	14 0D	00000000 0
CLK 12	FF800000	00000000	FF000000	00000000	00000058	00000000	FF800000	00000000	14 0C	00000000 0
CLK 13	FF800000	00000000	FF000000	00000000	000000B0	00000000	FF800000	00000000	14 0B	00000000 0
CLK 14	FF800000	00000000	FF000000	00000000	00000160	00000000	FF800000	00000000	14 0A	00000000 0
CLK 15	FF800000	00000000	FF000000	00000000	000002C0	00000000	FF800000	00000000	14 09	00000000 0
CLK 16	FF800000	00000000	FF000000	00000000	00000580	00000000	FF800000	00000000	14 08	00000000 0
CLK 17	FF800000	00000000	FF000000	00000000	00000B00	00000000	FF800000	00000000	14 07	00000000 0
CLK 18	FF800000	00000000	FF000000	00000000	00001600	00000000	FF800000	00000000	14 06	00000000 0
CLK 19	FF800000	00000000	FF000000	00000000	00002C00	00000000	FF800000	00000000	14 05	00000000 0

TEST N°	FC	R	EW	RUI	EWU1	0	E	F	FP	SW
FDS 13	5	80FFFFFF5	93FFFFFF8							
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)		
CLK 20	FF800000	00000000	FF000000	00000000	00005800	00000000	FF800000	00000000	14 04	00000000 0
CLK 21	FF800000	00000000	FF000000	00000000	0000B000	00000000	FF800000	00000000	14 03	00000000 0
CLK 22	FF800000	00000000	FF000000	00000000	00016000	00000000	FF800000	00000000	14 02	00000000 0
CLK 23	FF800000	00000000	FF000000	00000000	0002C000	00000000	FF800000	00000000	14 01	00000000 0
CLK 24	FF800000	00000000	FF000000	00000000	00058000	00000000	FF800000	00000000	14 00	00000000 0
CLK 25	FF800000	00000000	FF000000	00000000	000B0000	00000000	FF800000	00000000	14 FF	00000000 0
CLK 26	00160000	00000000	FF000000	00000000	00160000	00000000	FF800000	00000000	14 FE	00000000 0
PH 09	00160000	00000000	00160000	00000000	00160000	00000000	FF800000	00000000	14 FE	00000000 0
PH 10	00160000	00000000	00160000	00000000	00160000	00000000	FF800000	00000000	14 FE	54160000 0

TEST NO	FC	R	EW	RUI	EWU1							
FDS 20	5	81659CC1	4B67F5A8									
CYCLE	S(45=71)	S(00=31)	A(47=71)	A(00=31)	B(48=71)	B(00=31)	D(46=71)	D(00=31)	E	F	FP	SW
PH 01	03659CC1	81000000	00000000	00000000	00000000	00000000	00000000	00000000	E5	FE	81659CC1	0
PH 02	0067F5A8	48000000	FF659CC1	81000000	00000000	00000000	00000000	00000000	00	00	4B67F5A8	0
PH 03	FEFDA719	33800000	FF659CC1	7E800000	00000000	00000000	0067F5A8	48000000	00	00	00000000	0
PH 04	FEFDA719	00000000	FF659CC1	00000000	00000000	00000000	0067F5A8	48000000	33	00	00000000	0
PH 06	009A633F	00000000	FF659CC1	00000000	00000000	00000000	0067F5A8	00000000	33	00	00000000	0
PH 07	00326D97	00000000	009A633F	00000000	00000000	00000000	0067F5A8	00000000	33	00	00000000	2
PH 08	009A633F	00000000	009A633F	00000000	00000000	00000000	0067F5A8	00000000	33	17	00000000	0
PH 08	0009A633	F0000000	0009A633	F0000000	00000000	00000000	0067F5A8	00000000	34	17	00000000	0
CLK 02	FFA856BF	E0000000	00134C67	E0000000	00000000	00000000	0067F5A8	00000000	34	16	00000000	0
CLK 03	FFBEA327	C0000000	FF56AD7F	C0000000	00000000	00000000	0067F5A8	00000000	34	15	00000000	0
CLK 04	FFE53BF7	80000000	FF7D464F	80000000	00000000	00000000	0067F5A8	00000000	34	14	00000000	0
CLK 05	00326D97	00000000	FFCA77EF	00000000	00000000	00000000	0067F5A8	00000000	34	13	00000000	0
CLK 06	FFFCE586	00000000	0064DB7E	00000000	00000001	00000000	0067F5A8	00000000	34	12	00000000	0
CLK 07	0061C0B4	00000000	FFF9C80C	00000000	00000002	00000000	0067F5A8	00000000	34	11	00000000	0
CLK 08	005B88C0	00000000	00C38168	00000000	00000005	00000000	0067F5A8	00000000	34	10	00000000	0
CLK 09	004F21D8	00000000	00B71780	00000000	0000000B	00000000	0067F5A8	00000000	34	0F	00000000	0
CLK 10	00364E08	00000000	009E43B0	00000000	00000017	00000000	0067F5A8	00000000	34	0E	00000000	0
CLK 11	0004A668	00000000	006C9C10	00000000	0000002F	00000000	0067F5A8	00000000	34	0D	00000000	0
CLK 12	FFA15728	00000000	00094C30	00000000	0000005F	00000000	0067F5A8	00000000	34	0C	00000000	0
CLK 13	FFAAA3F8	00000000	FF42AE50	00000000	000000BE	00000000	0067F5A8	00000000	34	0B	00000000	0
CLK 14	FFB03098	00000000	FF5547F0	00000000	0000017C	00000000	0067F5A8	00000000	34	0A	00000000	0
CLK 15	FFE270D8	00000000	FF7A7B30	00000000	000002F8	00000000	0067F5A8	00000000	34	09	00000000	0
CLK 16	002CD758	00000000	FFC4E1B0	00000000	000005F0	00000000	0067F5A8	00000000	34	08	00000000	0
CLK 17	FFF1B9D8	00000000	0059AEB0	00000000	00000BE1	00000000	0067F5A8	00000000	34	07	00000000	0
CLK 18	004B67B8	00000000	FFE37210	00000000	000017C2	00000000	0067F5A8	00000000	34	06	00000000	0
CLK 19	002ED9C8	00000000	0096CF70	00000000	00002F85	00000000	0067F5A8	00000000	34	05	00000000	0
CLK 20	FFF5BDE8	00000000	005DB390	00000000	00003F0B	00000000	0067F5A8	00000000	34	04	00000000	0
CLK 21	00537178	00000000	FFEB7BD0	00000000	0000BE16	00000000	0067F5A8	00000000	34	03	00000000	0
CLK 22	003EED48	00000000	00A6E2F0	00000000	00017C2D	00000000	0067F5A8	00000000	34	02	00000000	0
CLK 23	0015E4E8	00000000	007DDA90	00000000	0002F85B	00000000	0067F5A8	00000000	34	01	00000000	0
CLK 24	FFC3D428	00000000	002BC9D0	00000000	0005F0B7	00000000	0067F5A8	00000000	34	00	00000000	0
CLK 25	FFF9DF8	00000000	FF87A850	00000000	000BE16E	00000000	0067F5A8	00000000	34	FF	00000000	0
CLK 26	0017C2DC	00000000	FFDF3BF0	00000000	0017C2DC	00000000	0067F5A8	00000000	34	FE	00000000	0
PH 09	FFE83D24	00000000	0017C2DC	00000000	0017C2DC	00000000	0067F5A8	00000000	34	FE	00000000	0
PH 10	FFE83D25	00000000	0017C2DC	00000000	0017C2DC	00000000	0067F5A8	00000000	CB	FE	8BE83D25	0

APPENDIX C

This appendix contains the T-charts for the Sigma 7 floating-point multiply and divide instructions.

00001

TIME	SIGMA LOGIC SIMULATION - FML CASE 0001									
	A REGISTER	A#REGISTER	B REGISTER	BC31	B#REGISTER	D REGISTER	D#REGISTER	CS REGISTER	CS#REGISTER	
PPR	55555555	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000	
P01	30555555	00000000	55555555	0	00000000	00000000	00000000	FF000000	00000000	
P02	30000000	00555555	55555555	0	00000000	30555555	00555555	80000000	00000000	
P03	00000000	00000000	15555555	0	00555555	55555555	00555555	00000000	E0000000	
P09	00000000	00000000	05555555	0	00555555	55555555	00555555	00000000	E0000000	
P10	55555555	00155555	45555555	0	00155555	55555555	00555555	00000000	E0000000	
P10	00000000	00100000	15555555	0	00555555	55555555	00555555	AAAAAAA	E00AAAA	
P10	FFFFFFF	0013FFFF	E5555555	0	00155555	55555555	00555555	00000000	E0080000	
P10	AAAAAAAA	0013AAAA	85555555	0	00005555	55555555	00555555	AAAAAAA	E008AAAA	
P10	55555555	00139555	45555555	0	00001555	55555555	00555555	5555555	E0080555	
P10	55555555	00138555	65555555	0	00000555	55555555	00555555	AAAAAAA	F008EAAA	
P10	AAAAAAAA	00138FAA	85555555	0	00000155	55555555	00555555	AAAAAAA	E008E2AA	
P10	55555555	00138F55	45555555	0	00000055	55555555	00555555	5555555	E008E355	
P10	55555555	00138F15	65555555	0	00000015	55555555	00555555	AAAAAAA	E008E3AA	
P10	AAAAAAAA	00138F3A	85555555	0	00000005	55555555	00555555	AAAAAAA	E008E38A	
P10	55555555	00138F39	45555555	0	00000000	55555555	00555555	5555555	E008E380	
P10	55555555	00138F38	65555555	0	00000000	55555555	00555555	AAAAAAA	E008E38E	
P10	AAAAAAAA	00138F3E	81555555	0	00000000	55555555	00555555	2AAAAAA	E008E38E	
P10	E5555555	00138F38	45555555	0	00000000	55555555	00555555	3555555	E008E38F	
P10	E1555555	00138F38	61555555	0	00000000	55555555	00555555	3AAAAAA	E008E38E	
P10	E3AAAAAA	00138F38	80055555	0	00000000	55555555	00555555	3RAAAAA	E008E38E	
P10	E3555555	00138F38	40015555	0	00000000	55555555	00555555	3805555	E008E38E	
P10	E3855555	00138F38	60005555	0	00000000	55555555	00555555	38FAAAA	E008E38E	
P10	E38FAAAA	00138F38	80001555	0	00000000	55555555	00555555	38F2AAA	E008E38E	
P10	E38E5555	00138F38	40000555	0	00000000	55555555	00555555	38E3555	E008E38F	
P10	E38F1555	00138F38	60000155	0	00000000	55555555	00555555	38F3AAA	E008E38E	
P10	E38F3AAA	00138F38	80000555	0	00000000	55555555	00555555	38E38AA	E008E38E	
P10	E38E3955	00138F38	40000015	0	00000000	55555555	00555555	38E3805	E008E38F	
P10	E38E3855	00138F38	60000005	0	00000000	55555555	00555555	38E38EA	E008E38E	
P10	E38E38FA	00138F38	80000001	0	00000000	55555555	00555555	38E38F2	E008E38E	
P10	E38E3855	00138F38	40000000	0	00000000	55555555	00555555	38E38F3	E008E38F	

00002

TIME	SIGMA LOGIC SIMULATION - FML CASE 0001									
	A REGISTER	A#REGISTER	B REGISTER	BC31	B#REGISTER	D REGISTER	D#REGISTER	CS REGISTER	CS#REGISTER	
P10	E38E3855	00138F38	60000000	0	00000000	55555555	00555555	38E38F3	E008E38E	
P10	E38E3855	00138F38	80000000	0	00000000	00000000	00000000	38E3853	E008E38E	
P11	10710710	00107107	30000000	0	00000000	00000000	00000000	00000000	E0000000	
P12	10710710	00107107	30000000	0	00000000	00000000	00000000	FFFFFFF	EFFFFFFF	
P13	20107107	00000000	30000000	0	00000000	00000000	00000000	00000000	E0000000	
P15	20107107	00000000	30000000	0	00000000	00000000	00000000	00000000	E0000000	

00003

SIGMA LOGIC SIMULATION, FML, CASE 0002									
TIME	A REGISTER	AIREGISTER	B REGISTER	RC31	R1REGISTE	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	AAAAAAAA	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	4CAAAAAA	00000000	AAAAAAAA	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	0CAAAAAA	AAAAAAAA	0	00000000	4CAAAAAA	0CAAAAAA	80000000	00000000
P03	00000000	00000000	2AAAAAAA	0	0CAAAAAA	AAAAAAAA	0CAAAAAA	00000000	00000000
P09	00000000	00000000	0AAAAAAA	0	0CAAAAAA	55555554	01555555	00000000	00000000
P10	55555555	00555555	0AAAAAAA	0	002AAAAA	55555554	01555555	00000000	00000000
P10	00000000	00400000	4AAAAAAA	0	007AAAAA	55555554	01555555	AAAAAAA0	002AAAAA
P10	FFFFFFF	004FFFFF	9AAAAAAA	0	0072AAAA	55555554	01555555	00000000	00200000
P10	AAAAAAAA	004FAAAA	EAAAAAAA	0	0000AAAA	55555554	01555555	AAAAAAA0	0022AAAA
P10	55555555	004E5555	3AAAAAAA	0	00002AAA	55555554	01555555	55555555	00235555
P10	55555555	004E1555	0AAAAAAA	0	00000AAA	55555554	01555555	AAAAAAA0	0023AAAA
P10	AAAAAAAA	004E3AAA	EAAAAAAA	0	007002AA	55555554	01555555	AAAAAAA0	00238AAA
P10	55555555	004F3955	3AAAAAAA	0	000000AA	55555554	01555555	55555555	00238055
P10	55555555	004F3855	0AAAAAAA	0	0000002A	55555554	01555555	AAAAAAA0	00238EAA
P10	AAAAAAAA	004F38EA	EAAAAAAA	0	0000000A	55555554	01555555	AAAAAAA0	00238E7A
P10	55555555	004F38E5	3AAAAAAA	0	00000002	55555554	01555555	55555555	00238E35
P10	55555555	004F38E1	0AAAAAAA	0	00000000	55555554	01555555	AAAAAAA0	00238E3A
P10	AAAAAAAA	004E38E3	E2AAAAAA	0	00000000	55555554	01555555	AAAAAAA0	00238E38
P10	95555555	004F38E3	3CAAAAAA	0	00000000	55555554	01555555	05555555	00238E38
P10	85555555	004F38E3	002AAAAA	0	00000000	55555554	01555555	EAAAAAAA	00238E38
P10	8EAAAAAA	004F38E3	F0CAAAAA	0	00000000	55555554	01555555	E2AAAAAA	00238E38
P10	8E555555	004E38E3	30C2AAAA	0	00000000	55555554	01555555	E3555555	00238E38
P10	8E155555	004E38E3	00C0AAAA	0	00000000	55555554	01555555	E3AAAAAA	00238E38
P10	8E3AAAAA	004E38E3	E0C02AAA	0	00000000	55555554	01555555	E3AAAAAA	00238E38
P10	8E395555	004E38E3	30C00AAA	0	00000000	55555554	01555555	E3805555	00238E38
P10	8E385555	004F38E3	00C002AA	0	00000000	55555554	01555555	E38EAAAA	00238E38
P10	8E38EAAA	004F38E3	E0C000AA	0	00000000	55555554	01555555	E38E2AAA	00238E38
P10	8E38E555	004E38E3	30C0002A	0	00000000	55555554	01555555	E38F3555	00238E38
P10	8E38E155	004F38E3	00C0000A	0	00000000	55555554	01555555	E38F3AAA	00238E38
P10	8E38E3AA	004F38E3	E0C00002	0	00000000	55555554	01555555	E38F38AA	00238E38
P10	8E38E395	004F38E3	30C00000	0	00000000	55555554	01555555	E38E3800	00238E38

00004

SIGMA LOGIC SIMULATION, FML, CASE 0002									
TIME	A REGISTER	AIREGISTER	B REGISTER	RC31	R1REGISTE	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
P10	8E38E385	004F38E3	00C00000	0	00000000	55555554	01555555	E38E38E0	00238E38
P10	8E38E38F	004F38E3	E0C00000	0	00000000	00000000	00000000	E38E38E0	00238E38
P11	71C71C70	0071C71C	E0000000	0	00000000	00000000	00000000	00000000	00000000
P12	71C71C70	0071C71C	E0000000	0	00000000	00000000	00000000	FFFFFFF	00FFFFFF
P13	4071C71C	00000000	E0000000	0	00000000	00000000	00000000	00000000	00000000
P15	4071C71C	00000000	E0000000	0	00000000	00000000	00000000	00000000	00000000

00005

SIGMA LOGIC SIMULATION, FML, CASE 0003									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	R REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	FFFFFFF	0000000	0000000	0	0000000	0000000	0000000	0000000	0000000
P01	80FFFDAB	0000000	FFFFFFF	0	0000000	0000000	0000000	FF00000	0000000
P02	7F000000	01FFFDAB	FFFFFFF	0	0000000	00137B2A	00137B2A	8000000	0000000
P03	FFFFFFF	01FFFDAB	FFFFFFF	0	01FFFDAB	0000000	0000000	FFFFFFF	FFFFFFF
P04	0000010	00002540	FFFFFFF	0	01FFFDAB	0000000	0000000	0000000	FF00000
P05	00000100	00002540	FFFFFFF	0	01FFFDAB	0000000	0000000	0000000	FF00000
P05	00001000	00254000	FFFFFFF	0	01FFFDAB	0000000	0000000	0000000	FC00000
P05	00000000	00000000	3FFFFFFF	1	01FFFDAB	059CEF26	00137B2A	FFFFFFF	FCFFFFFF
P09	00000000	00000000	0FFFFFFF	1	01FFFDAB	059CEF26	00137B2A	0000000	FC000000
P10	816738C9	0004DFCA	8FFFFFFF	1	00FFFF6A	00000000	00000000	0000000	FC000000
P10	AC59CEF2	000137B2	6FFFFFFF	1	00FFFFDA	00000000	00000000	0000000	FC000000
P10	A816738C	00004DEC	9FFFFFFF	1	00FFFFF6	00000000	00000000	0000000	FC000000
P10	2A059CEF	0000137B	2AFFFFFF	1	00FFFFFFD	00000000	00000000	0000000	FC000000
P10	CAR1673B	000004DF	C6AFFFFFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	B2A059CE	00000137	FDABFFFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	ECAR1673	0000004D	BF6AFFFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	7B2A059C	00000013	FDABFFFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	DECAR167	00000004	3FF6AFFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	37B2A059	00000001	CFDABFFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	4DFCAR16	00000000	7FFF6AFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	137B2A05	00000000	9FFFDABF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	04DFCAR1	00000000	6FFFF6AF	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	0137B2A0	00000000	5FFFDAB	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	004DFCAR	00000000	1FFFF6AA	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	00137B2A	00000000	0FFFFFFDA	1	00FFFFFFF	00000000	00000000	0000000	FC000000
P10	0004DFCA	00000000	8FFFFFFF6	1	00FFFFFFF	059CEF26	00137B2A	0000000	FC000000
P10	8166CF7B	0004DFCA	2FFFFFFFD	1	00FFFFFFF	059CEF26	00137B2A	00002670	FC000000

00006

SIGMA LOGIC SIMULATION, FML, CASE 0003									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	R REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
P10	213F2117	0005E078	0FFFFFFF	0	00FFFFFFF	059CEF26	00137B2A	00A33790	FC002005
P10	090870F8	0005A005	2FFFFFFF	1	00FFFFFFF	F40621B3	01F909AB	00CF1380	FC00B494
P10	8F405314	01F704BA	2FFFFFFF	0	00FFFFFFF	059CEF26	00137B2A	EC6713D0	FC00D6CA
P10	9AAFE979	01F92056	FFFFFFF	0	00FFFFFFF	00000000	00000000	42A22080	FC009A55
P11	0D511703	000205AB	FFFFFFF	1	00FFFFFFF	00000000	00000000	0000000	FC003000
P12	0D511703	000205AB	FFFFFFF	1	00FFFFFFF	00000000	00000000	FFFFFFF	FCFFFFFF
P13	0511703F	00205AB0	FFFFFFF	1	00FFFFFFF	00000000	00000000	FFFFFFF	FCFFFFFF
P13	3B02A542	00000000	FFFFFFFF	1	00FFFFFFF	00000000	00000000	FF00000	FC000000
P15	0402A542	00000000	FFFFFFF	1	00FFFFFFF	00000000	00000000	0000000	FC000000

00007

SIGMA LOGIC SIMULATION, FML, CASE 0004									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	7FFFFFFD8	00000000	00000000	0	00000000	00000000	00000000	FF000000	00000000
P02	7F000000	0FFFFFFD8	00000000	0	00000000	0C30C841	0030C841	80000000	00000000
P03	00000000	00000000	00000000	0	0FFFFFFD8	26AE4589	01CF37BE	FFFFFFFF	FFFFFFFF
P09	00000000	00000000	00000000	0	0FFFFFFD8	00000000	00000000	00000000	FF000000
P10	00000000	00000000	00000000	0	003FFFFFF	00000000	00000000	00000000	FF000000
P10	00000000	00000000	08000000	0	003FFFFFF	00000000	00000000	00000000	FF000000
P10	00000000	00000000	06000000	0	003FFFFFF	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0D800000	0	003FFFFFF	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0F800000	0	003FFFFFF	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0FD80000	0	003FFFFFF	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0FF60000	0	003FFFFFF	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0FF68000	0	0030000F	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0FFF6000	0	0030000F	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0FFFD800	0	0030000F	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0FFFF600	0	00300003	00000000	00000000	00000000	FF000000
P10	00300000	00000000	0FFFF800	0	00300000	00000000	00000000	00000000	FF000000
P10	00300000	00000000	03FFFF60	0	00300000	00000000	00000000	00000000	FF000000
P10	00000000	00000000	0FFFFFFD8	0	00300000	00000000	00000000	00000000	FF000000
P10	00000000	00000000	003FFFFFF	0	00300000	00000000	00000000	00000000	FF000000
P10	00000000	00000000	00CFFFFFF	0	00300000	00000000	00000000	00000000	FF000000
P10	00000000	00000000	00C3FFFF	0	00300000	B2A374ED	00619083	00000000	FF000000
P10	ECARD03B	00186420	40C0FFFF	1	00300000	D9518A76	0030C841	00000000	FF000000
P10	407F5903	00CA2918	60C03FFF	1	00300000	26AE4589	01CF37BE	64004C10	FF082000
P10	83F41410	01F34F29	EGC00FFF	1	00300000	00000000	00000000	32172600	FF051180
P10	6C78CC57	01FD97A9	10C003FF	1	00300000	00000000	00000000	01A02000	FF008084
P10	5B5CB3AD	01FF45CB	00C000FF	1	00300000	00000000	00000000	00040000	FF004040
P10	6A0E2CEB	01FFC162	70C0003F	1	00300000	00000000	00000000	00020000	FF002020
P10	B5P50B3A	01FFFF50	00C000CF	1	00300000	00000000	00000000	00010000	FF000010
P10	20A02CE	01FFFF10	80C000C3	1	00300000	00000000	00000000	00008000	FF000008
P10	0B5B60B3	01FFFF86	A0C000C0	1	00300000	00000000	00000000	00000000	FF000000

00008

SIGMA LOGIC SIMULATION, FML, CASE 0004									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	8206D82C	01FFFFFF1	00000000	0	00300000	00000000	00000000	00000000	FF000000
P10	60B5B60B	01FFFFFFF	30C00000	0	00300000	00000000	00000000	00000000	FF000000
P11	60B5B60B	01FFFFFFF	30C00000	0	00300000	D9518A76	0030C841	00000000	FF000000
P12	3AF770A2	0030C841	30C00000	0	00300000	00000000	00000000	FFFFFFFF	FFFFFFFF
P13	3FCF37C5	00000000	30C00000	0	00300000	00000000	00000000	FF000000	FF000000
P15	CCCF37C5	00000000	30C00000	0	00300000	00000000	00000000	00000000	FF000000

00009

TIME	SIGMA LOGIC SIMULATION, FPL CASE 0005									
	A REGISTER	AIREGISTER	B REGISTER	PC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER	
PPR	148F26A0	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000	
P01	250007BE	00000000	148F26A0	0	00000000	00000000	00000000	FF000000	00000000	
P02	25000000	000007BE	148F26A0	0	00000000	26264A8E	00264A8E	80000000	00000000	
P03	148F26A0	000007BE	148F26A0	0	000007BE	00000000	00000000	00000000	C8000000	
P04	48F26A00	00007BE1	148F26A0	0	000007BE	00000000	00000000	00000000	CA000000	
P05	8F26A000	0007BE14	148F26A0	0	000007BE	00000000	00000000	00000000	C9000000	
P06	F26A0000	007BE148	148F26A0	0	000007BE	00000000	00000000	00000000	C8000000	
P07	00000000	00000000	0523C9A8	0	000007BE	C1F4286C	00264A8E	00000000	C8000000	
P09	00000000	00000000	0148F26A	0	000007BE	00000000	00000000	00000000	C8000000	
P10	00000000	00000000	08523C9A	0	000001EF	00000000	00000000	00000000	C8000000	
P10	00000000	00000000	0E148F26	0	0000007B	83E850D8	004C951D	00000000	C8000000	
P10	60FA1436	0C132547	0F8523C9	0	0000001E	83E850D8	004C951D	00000000	C8000000	
P10	B8C4913B	0C17E716	8BE148F2	0	00000007	83E850D8	004C951D	00000000	C8000282	
P10	6ED6327A	0C14DFE2	EEF8523C	0	00000001	C1F4286C	00264A8E	80740800	C802420B	
P10	F8040486	000CB599	87BE148F	0	00000000	83E850D8	004C951D	207B1430	C8032545	
P10	5611001A	0C10C170	21FF8523	1	00000000	00000000	00000000	D1FC0A40	C8065A8F	
P10	A1FB7894	0005A6FF	407BE148	1	00000000	3E0BD793	0109B571	2R080000	C8002000	
P10	A0FE2840	C1F70CE3	901EF852	0	00000000	00000000	00000000	9405A840	C800D238	
P10	CE7EE002	C1F0F7H6	9007BE14	0	00000000	C1F4286C	00264A8E	40021420	C8000010	
P10	13623723	C1F6FF4A	8001FF85	0	00000000	83E850D8	004C951D	613B1120	C8122145	
P10	3C6C50F2	C1E1A1C7	50007BE1	0	00000000	00000000	00000000	81950410	C82B52A5	
P10	AF765E7A	01F05118	80001E88	0	00000000	C1F4286C	00264A8E	80120400	C8150942	
P10	3BA41F47	C1F0C4F5	A0007BE0	0	00000000	C1F4286C	00264A8E	40CB0030	C81A2485	
P10	AERAC007	C1F3EAAF	E20001EF	0	00000000	00000000	00000000	A0DA0530	C8192242	
P10	43983200	C1FA823B	7000007F	1	00000000	83E850D8	004C951D	504D0280	C8089101	
P10	E40F5615	01EFA189	1000001E	1	00000000	3E0BD793	0109B571	A1F40940	C824488C	
P10	1EF82180	01049710	A0000007	1	00000000	00000000	00000000	D207AC80	C8F6D0C4	

00010

TIME	SIGMA LOGIC SIMULATION, FPL CASE 0005									
	A REGISTER	AIREGISTER	B REGISTER	PC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER	
P10	733FE34E	01FC9116	90000001	1	00000000	3E0BD793	0109B571	00001040	C8024872	
P10	51000997	01000021	70000000	0	00000000	00000000	00000000	1085E2A0	C8104880	
P10	13223421	01F964F6	A0000000	0	00000000	83E850D8	004C951D	88828480	C8142410	
P10	C612301A	01E0757A	40000000	0	00000000	00000000	00000000	41010440	C826120A	
P11	07E34362	0012K785	80000000	0	00000000	00000000	00000000	00000000	C8000000	
P12	07E34362	0012K785	80000000	0	00000000	00000000	00000000	FFFFFFFF	C8FFFFFF	
P13	0812K785	00100000	80000000	0	00000000	00000000	00000000	00000000	C8000000	
P15	0812K785	00000000	80000000	0	00000000	00000000	00000000	00000000	C8000000	

00011

SIGMA LBGIC SIMULATION, FML, CASE 0006									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	7F000000	00000000	00000000	0	00000000	00000000	00000000	FF000000	00000000
P02	7F000000	00000000	00000000	0	00000000	7FFFFFFF	0FFFFFFF	80000000	00000000
P03	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	7E000000
P04	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	75000000
P13	30000000	00000000	00000000	0	00000000	00000000	00000000	00000000	75000000
P15	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	75000000

00012

SIGMA LBGIC SIMULATION, FML, CASE 0007									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	8C16DE45	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	35027BF3	00000000	8C16DE45	0	00000000	00000000	00000000	FF000000	00000000
P02	35000000	00027BF3	8C16DE45	0	00000000	4036AF25	0036AE25	80000000	00000000
P03	8C16DE45	00027BF3	8C16DE45	0	00027BF3	00000000	00000000	00000000	F5000000
P04	C16DE450	0027BF38	8C16DE45	0	00027BF3	00000000	00000000	00000000	F4000000
P05	00000000	00000000	2305B791	0	00027BF3	62EB840A	01C951DA	FFFFFFF0	F4FFFFFF
P09	00000000	00000000	08C16DE4	0	00027BF3	9D147BF5	0036AE25	00000000	F4000000
P10	67451EFD	0000A989	4F305B79	0	00009EFC	9D147BF5	0036AE25	00000000	F4000000
P10	3E94594P	000EC16B	238C16AE	0	000027BF	00000000	00000000	82820077	F4025500
P10	EF05950E	0003251A	3C5305B7	0	000009EF	9D147BF5	0036AE25	014004A1	F4012080
P10	DCD47A9A	0002AEFF	8F38C160	1	0000027B	3A28F7EB	006D5C4B	46820AD0	F4019200
P10	281FA1FB	00187929	DFCE305B	0	0000009E	62EB840A	01C951DA	AF403160	F4068025
P10	B36D0622	01F5E975	16F38C16	1	00000027	3A28F7EB	006D5C4B	9E25D0B0	F4042034
P10	8598C8DF	01E7266A	3FFCF32F	1	00000009	62EB840A	01C951DA	0C96E350	F432862A
P10	8EF959E1	01073066	37BF38C1	0	00000002	62EB840A	01C951DA	624D4420	F4F19B35
P10	6397E671	010FFFA2	A9FFCE30	0	00000000	3A28F7EB	006D5C4B	3174A210	F4E088BB
P10	9A32ECE3	01F08A94	8275F38C	0	00000000	9D147BF5	0036AE25	999A7330	F436EE55
P10	27AF320B	01F830F9	AC9EFC30	0	00000000	00000000	00000000	0C8930F0	F41B570A
P10	FAC9813C	01F8096C	EC27BF38	1	00000000	00000000	00000000	02449C84	F40C090A
P10	3E23476E	01FD341A	0009FFC1	0	00000000	62EB840A	01C951DA	012D4300	F4040482
P10	977A20D9	010C1850	90C27BF3	0	00000000	9D147BF5	0036AE25	1111A200	F4E68A40
P10	060FF64A	01F70FCE	60009FFC	1	00000000	3A28F7EB	006D5C4B	CAR81160	F4134522
P10	FD9FC63P	01E24599	000027BF	0	00000000	62EB840A	01C951DA	054472B0	F43BA685
P10	A680CE63	01042CE1	500009FF	1	00000000	9D147BF5	0036AE25	B2F7E310	F4F5A2CC
P10	225FE5A3	01F10816	E000027B	0	00000000	62EB840A	01C951DA	DR4235B0	F41A5752
P10	A6FD9504	0108B3A7	6000009E	1	00000000	00000000	00000000	3125D0D0	F4EC8A89
P10	A5F611F4	01F906C3	60000027	1	00000000	00000000	00000000	9012C800	F4045550
P10	CD79367D	01F5F5A4	90000009	1	00000000	62EB840A	01C951DA	40090200	F4000020
P10	BBE6FC9D	01088117	E0000002	0	00000000	00000000	00000000	20348204	F4F4A8D0

00013

SIGMA LOGIC SIMULATION, FPL, CASE 0007									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P10	E6F49BA6	01FA4A71	70000000	0	00000000	3A28F7FB	006D5C4B	10124000	F4024008
P10	B3338B13	01E5558C	00000000	0	00000000	3A28F7EB	006D5C4B	991869D1	F4352424
P10	C400C54A	01FF4B78	40000000	0	00000000	00000000	00000000	5D9C75E7	F432AA06
P10	A6672C2B	01F7785F	00000000	0	00000000	00000000	00000000	22002FA4	F4110500
P11	C8674ECD	00087D5F	10000000	0	00000000	00000000	00000000	00000000	F4000000
P12	C8674ECD	00087D5F	10000000	0	00000000	00000000	00000000	FFFFFFFF	F4FFFFFF
P13	8674ECD1	0087D5FC	20000000	0	00000000	00000000	00000000	FFFFFFFF	F3FFFFFF
P13	33782A03	00000000	20000000	0	00000000	00000000	00000000	FF000000	F3000000
P15	CC782A03	00000000	20000000	0	00000000	00000000	00000000	00000000	F3000000

00014

SIGMA LOGIC SIMULATION, FPL, CASE 0008									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	FFFFFFFF	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	FFFFFFFF	00000000	FFFFFFFF	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	01FFFFFF	FFFFFFFF	0	00000000	40000000	00000000	80000000	00000000
P03	FFFFFFFF	01FFFFFF	FFFFFFFF	0	01FFFFFF	00000000	00000000	FFFFFFFF	0FFFFFFF
P04	00000010	00000000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	FF000000
P05	00000100	00000000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	FF000000
P05	00001000	00000000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	FF000000
P05	00010000	00000000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	FF000000
P05	01000000	00000000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	FF000000
P05	10000000	00000000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	FF000000
P05	00000000	00000001	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	FF000000
P05	00000000	00000010	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	F7000000
P05	00000000	00000100	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	F6000000
P05	00000000	00001000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	F5000000
P05	00000000	00010000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	F4000000
P05	00000000	00100000	FFFFFFFF	0	01FFFFFF	00000000	00000000	00000000	F3000000
P05	00000000	00000000	FFFFFFFF	0	01FFFFFF	FFFFFFFF	01FFFFFF	00000000	F3000000

00015

SIGMA LOGIC SIMULATION, FML, CASE 0008									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P06	FFFFFFF0	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	F2000000
P07	FFFFFFC0	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	F1000000
P07	FFFFFF00	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	F0000000
P07	FFFF0000	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	EF000000
P07	FFF00000	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	EF000000
P07	FF000000	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E0000000
P07	F0000000	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E0000000
P07	00000000	01FFFFFF	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E0000000
P07	00000000	01FFFFFF0	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E0000000
P07	00000000	01FFF000	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E9000000
P07	00000000	01FFF000	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E8000000
P07	00000000	01FF0000	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E7000000
P07	00000000	01F00000	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E6000000
P07	00000000	01000000	FFFFFFF0	0	01FFFFFF	FFFFFFF0	01FFFFFF	00000000	E5000000
P07	00000000	00000000	3FFFFFFF	1	01FFFFFF	00000000	01000000	00000000	E5000000
P09	00000000	00000000	0FFFFFFF	1	01FFFFFF	FFFFFFF0	00FFFFFF	00000000	F5000000
P10	FFFFFFF0	003FFFFF	0FFFFFFF	0	00FFFFFF	00000000	00000000	00000000	E5000000
P10	FFFFFFF0	000FFFFF	0FFFFFFF	0	00FFFFFF	00000000	00000000	00000000	F5000000
P11	00000000	00100000	0FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	F5000000

00016

SIGMA LOGIC SIMULATION, FML, CASE 0008									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P12	00000000	00100000	0FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF0	E5FFFFFF
P13	25100000	00000000	0FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	F5000000
P15	25100000	00000000	0FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	F5000000

00017

SIGMA LOGIC SIMULATION, FML, CASE 0009

TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	00000001	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40000000	00000000	00000001	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00000000	00000001	0	00000000	40000000	00000000	80000000	00000000
P03	00000001	00000000	00000001	0	00000000	00000000	00000000	00000000	00000000
P04	00000010	00000000	00000001	0	00000000	00000000	00000000	00000000	FF000000
P05	00000100	00000000	00000001	0	00000000	00000000	00000000	00000000	FE000000
P05	00001000	00000000	00000001	0	00000000	00000000	00000000	00000000	F0000000
P05	00001000	00000000	00000001	0	00000000	00000000	00000000	00000000	F0000000
P05	00010000	00000000	00000001	0	00000000	00000000	00000000	00000000	FB000000
P05	01000000	00000000	00000001	0	00000000	00000000	00000000	00000000	FA000000
P05	10000000	00000000	00000001	0	00000000	00000000	00000000	00000000	F9000000
P05	00000000	00000001	00000001	0	00000000	00000000	00000000	00000000	F8000000
P05	00000000	00000010	00000001	0	00000000	00000000	00000000	00000000	F7000000
P05	00000000	00000100	00000001	0	00000000	00000000	00000000	00000000	F6000000
P05	00000000	00001000	00000001	0	00000000	00000000	00000000	00000000	F5000000
P05	00000000	00010000	00000001	0	00000000	00000000	00000000	00000000	F4000000
P05	00000000	00100000	00000001	0	00000000	00000000	00000000	00000000	F3000000
P05	00000000	00000000	00000001	0	00000000	00000001	00000000	00000000	F3000000

00018

SIGMA LOGIC SIMULATION, FML, CASE 0009

TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
P06	00000010	00000000	00000001	0	00000000	00000001	00000000	00000000	F2000000
P07	00000100	00000000	00000001	0	00000000	00000001	00000000	00000000	F1000000
P07	00001000	00000000	00000001	0	00000000	00000001	00000000	00000000	F0000000
P07	00010000	00000000	00000001	0	00000000	00000001	00000000	00000000	EF000000
P07	00100000	00000000	00000001	0	00000000	00000001	00000000	00000000	EE000000
P07	01000000	00000000	00000001	0	00000000	00000001	00000000	00000000	E0000000
P07	10000000	00000000	00000001	0	00000000	00000001	00000000	00000000	E0000000
P07	00000000	00000001	00000001	0	00000000	00000001	00000000	00000000	F0000000
P07	00000000	00000010	00000001	0	00000000	00000001	00000000	00000000	FA000000
P07	00000000	00000100	00000001	0	00000000	00000001	00000000	00000000	E0000000
P07	00000000	00001000	00000001	0	00000000	00000001	00000000	00000000	EA000000
P07	00000000	00010000	00000001	0	00000000	00000001	00000000	00000000	F7000000
P07	00000000	00100000	00000001	0	00000000	00000001	00000000	00000000	E4000000
P07	00000000	00000000	00000000	0	00000000	00000000	00100000	00000000	E4000000
P09	00000000	00000000	00000000	0	00000000	00000000	00100000	00000000	E4000000
P10	00000000	00040000	00000000	0	00000000	00000000	00000000	00000000	E6000000
P10	00000000	00010000	00000000	0	00000000	00000000	00000000	00000000	FA000000
P11	00000000	00010000	00000000	0	00000000	00000000	00000000	00000000	FA000000
P12	00000000	00010000	00000000	0	00000000	00000000	00000000	FFFFFF	E4FFFFFF

00019

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0009								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P13	00000000	00100000	00000000	0	00000000	00000000	00000000	FFFFFFF	E5FFFFFF
P13	25100000	00000000	00000000	0	00000000	00000000	00000000	00000000	E5000000
P15	25100000	00000000	00000000	0	00000000	00000000	00000000	00000000	E5000000

00020

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0010								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	80AA9FD4	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	FC7CF1CC	00000000	80AA9FD4	0	00000000	00000000	00000000	FF00000	00000000
P02	03000000	017CF1CC	80AA9FD4	0	00000000	7756BA80	0056BA80	8000000	00000000
P03	00000000	00000000	202AA7F5	0	017CF1CC	59C61C18	0056BA80	FFFFFFF	FAFFFFFF
P09	00000000	00000000	080AA9FD	0	017CF1CC	00000000	00000000	00000000	FA000000
P10	00000000	00000000	0202AA7F	0	00DF3C73	A639E3E7	01A9457F	00000000	FA000000
P10	E98E78F9	01EA515F	CC80AA9F	1	00F7CF1C	A639E3E7	01A9457F	00000000	FA000000
P10	13ED6C07	0110C508	83202AA7	1	00F0F3C7	59C61C18	0056BA80	0004307	FAD420AF
P10	E68FF2AB	01F497C9	ECC80AA9	1	00FF7CF1	00000000	00000000	28E21A2	FA2A5044
P10	739A7A20	01F381E3	C73202AA	0	00FFDF3C	00000000	00000000	10410914	FA100820
P10	D8F60CC0	01F8FF70	01CC80AA	0	00FF7CF1	4C73C7CF	01528AFF	0R00040	FA080010
P10	E72147C0	01289927	9C73202A	0	00FFDF3C	4C73C7CF	01528AFF	24396260	FAAC4538
P10	23DAF89A	013595B8	5F1CC67A	0	00FF7CF1	4C73C7CF	01528AFF	8P18A3E	FA94449F
P10	376C6720	013CD4F6	83C73202	0	00FFDF3C	4C73C7CF	01528AFF	912D71E	FA8A425F
P10	8A8CB441	0139C795	DCF1CC80	0	00FF7CF1	4C73C7CF	01528AFF	8AR6B3F	FA8D617F
P10	5F127C1E	0139B005	3F3C7320	0	00FF7CF1	4C73C7CF	01528AFF	C55B5E	FA8C81FF
P10	758E8B0C	0139E001	87CF1CC8	0	00FF7CF1	00000000	00000000	A6A9A9E7	FA8C45FF
P10	B4C9C4BA	01E06A7F	EDF3C732	0	00FF7CF1	00000000	00000000	92445480	FA042200
P10	C9A3640E	01FA521F	0F7CF1CC	0	00FF7CF1	00000000	00000000	4R20224	FA021100
P10	EC60D193	01FF10C7	DFDF3C73	0	00FF7CF1	4C73C7CF	01528AFF	2410100	FA010800
P10	2200C197	0128648F	3FF7CF1C	1	00FF7CF1	00000000	00000000	B23R6RC	FAA90463
P10	640E2A55	01E09A3B	8FFDF3C7	0	00FF7CF1	59C61C18	0056BA80	1100204	FA148201
P10	8B320583	01F8A82E	4FFF7CF1	1	00FF7CF1	A639E3E7	01A9457F	A883142	FA2A4000
P10	61623C93	011AE814	2FFFDF3C	0	00FF7CF1	59C61C18	0056BA80	5519820	FAD42697
P10	DB6F6896	01F61000	8FFFF7CF	0	00FF7CF1	4C73C7CF	01528AFF	28A10F4	FA2B554A
P10	6FF6844	0127FAD	4FFFDF3	1	00FF7CF1	00000000	00000000	2431A767	FA810FA5
P10	12F7B3C8	01E5BF82	FFFFFF7C	1	00FF7CF1	59C61C18	0056BA80	921C922	FA108052
P10	36484FFC	01F8E154	8FFFFDF3	0	00FF7CF1	00000000	00000000	096R480	FA2A5041
P10	4FC8C1FE	01F0AFC5	2FFFFFF7	1	00FF7CF1	A639E3E7	01A9457F	0024240	FA1420A0
P10	BA754186	011372E6	FFFFFFFD	1	00FF7CF1	59C61C18	0056BA80	83147CF	FAD81292
P10	1829C858	01F776A9	4FFFFFFF	0	00FF7CF1	00000000	00000000	4DAA284	FA291949

00021

SIGMA LOGIC SIMULATION, FML, CASE 0010									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P10	1560F8C4	01F39BF8	FFFFFFFF	0	00FFFFFF	4C73C7CF	01528AFF	84140424	FA108804
P10	F741CFCB	012C6640	FFFFFFFF	0	00FFFFFF	00000000	00000000	02386262	FAA9457E
P11	F97A312E	01D5ABRE	4FFFFFFF	1	00FFFFFF	59C61C18	0056BA80	00000000	FA000000
P12	534C4D46	002C663F	4FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFFF	FAFFFFFF
P13	3AD399C0	00000000	4FFFFFFF	1	00FFFFFF	00000000	00000000	FF000000	FA000000
P15	C5D399C0	00000000	4FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	FA000000

00022

SIGMA LOGIC SIMULATION, FML, CASE 0011									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	7F56BA80	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	F1C3C731	00000000	7F56BA80	0	00000000	00000000	00000000	FF000000	00000000
P02	0E000000	01C3C731	7F56BA80	0	00000000	3E01F5B3	0001FC03	80000000	00000000
P03	00000000	00000000	7F56BA80	0	01C3C731	70000000	0001FC03	00000000	00000000
P06	00000000	001FC037	7F56BA80	0	01C3C731	70000000	0001FC03	00000000	00000000
P07	00000000	00000000	1FD5AEAC	0	01C3C731	00000000	001FC037	FFFFFFFF	00FFFFFF
P09	00000000	00000000	07F56BA8	0	01C3C731	00000000	00000000	00000000	00000000
P10	00000000	00000000	05FD8AFA	0	00FF0F1C	00000000	00000000	00000000	00000000
P10	00000000	00000000	017F563A	0	00FC3E73	00000000	00000000	00000000	00000000
P10	00000000	00000000	00F5E5AE	0	00FF0F1C	FFFFFFFF	01C07F91	00000000	00000000
P10	7FFFFFFF	01F01FE4	0317F564	0	00FF0C07	FFFFFFFF	01C07F91	00000000	00000000
P10	60000000	010C191D	0005E05A	1	00FFFFFF	FFFFFFFF	01C07F91	3FFFFFFF	00E00F00
P10	28000000	010B1A13	07317F56	1	00FFFC3C	00000000	001FC037	8FFFFFFF	00E00F00
P10	25FFFFFF	01FD3578	01005F05	1	00FFFFFF	00000000	001FC037	94000000	00058509
P10	6C7FFFFFF	01F90C11	0C7317F5	0	00FFFC3C	00000000	001FC037	80000000	0000C290
P10	F89FFFFFF	01FA37AE	0F10C9FD	0	00FFFFFF	FFFFFFFF	01C07F91	80000000	000FE00A
P10	61180000	010DAAD0	03C7317F	0	00FFFFFF	FFFFFFFF	01E03FC8	70CFFFFFF	00053805
P10	38CA0000	01021B80	00F1000F	1	00FFFFFF	FFFFFFFF	01F03FC8	8EFFFFFF	00F29DFA
P10	9E768000	01042F68	003C7317	1	00FFFFFF	00000000	001FC037	5F77FFFF	00E10FF0
P10	30405FFF	01FAE86F	000F1005	1	00FFFFFF	00000000	00000000	8F3B4000	000A8731
P10	AF0EC7FF	01FC0F07	003C7317	0	00FFFFFF	00000000	00000000	80000000	00054010
P10	CBF7E9FF	01FE93F1	0FF0F10C	0	00FFFFFF	FFFFFFFF	01C07F91	40000000	00020008
P10	10021130	010F0B1A	00FF0C73	0	00FFFFFF	FFFFFFFF	01E03FC8	E5F0C0F0	00012908
P10	81C18000	01038746	00FF0F1C	1	00FFFFFF	00000000	00000000	7EFDFFFF	00009554
P10	BFCF1897	01FCC4A8	00FF0C73	0	00FFFFFF	00000000	001FC037	00600000	000042A2
P10	6F0BF731	01F8D18F	00FFFFFF	1	00FFFFFF	FFFFFFFF	01E03FC8	00000000	00006051
P10	A400C211	0105A385	8FFFFFFC	0	00FFFFFF	00000000	001FC037	B7F5F000	000438E4
P10	84FE3E73	01F896D5	4FFFFFF0	0	00FFFFFF	FFFFFFFF	01C07F91	02028100	000AD052
P10	AA4C0021	010C4F45	2FFFFFFC	1	00FFFFFF	00000000	00000000	E87F5FB	00056868

00023

SIGMA LOGIC SIMULATION, FML, CASE 0011									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	504FE3E7	01FA494B	3FFFFFF0	1	00FFFFFF	00000000	001FC037	55202810	CC022520
P10	015BF2FD	01F9E817	FFFFFFFC	0	00FFFFFF	00000000	00000000	A8001000	CC002091
P10	AA56F88F	01FD32E1	7FFFFFFF	0	00FFFFFF	FFFFFFF7	01E03FC8	80000800	CC049008
P10	756A43D0	01066748	1FFFFFFF	1	00FFFFFF	00000000	00000000	552B7C5F	CCF21964
P10	08104FE3	01FD1F8B	FFFFFFF7	0	00FFFFFF	00000000	001FC037	2A952C28	CC0100A0
P10	08A15BF2	01F8F7C7	FFFFFFF7	0	00FFFFFF	00000000	00000000	84080010	CC0E8051
P11	8CA95C02	00077818	FFFFFFF7	1	00FFFFFF	00000000	00000000	00000000	CC000000
P12	8CA95C02	00077818	FFFFFFF7	1	00FFFFFF	00000000	00000000	FFFFFFF7	CCFFFFFF
P13	CA95C02F	00778188	FFFFFFF7	1	00FFFFFF	00000000	00000000	FFFFFFF7	CBFFFFFF
P13	0B887E77	00000000	FFFFFFF7	1	00FFFFFF	00000000	00000000	FF000000	CB000000
P15	F4887E77	00000000	FFFFFFFE	1	00FFFFFF	00000000	00000000	00000000	CB000000

00024

SIGMA LOGIC SIMULATION, FML, CASE 0012									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	3DF91CF8	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	0B853C70	00000000	3DF91CF8	0	00000000	00000000	00000000	FF000000	00000000
P02	32000000	01653C70	3DF91CF8	0	00000000	3103C1F0	00C3C1F0	80000000	00000000
P03	00000000	00000000	0F7E473E	0	01853C70	DF4F3C70	00C3C1F0	FFFFFFF7	EFFFFFFF
P09	00000000	00000000	03DF91CF	0	01853C70	00000000	00000000	00000000	E3000000
P10	00000000	00000000	00F7E473	1	00F04F1C	4161871F	00787C1E	00000000	E3000000
P10	905861C7	019E1F07	0030F91C	1	00F853C7	DF4F3C70	00C3C1F0	00000000	E3000000
P10	D3C5D760	0107778D	00CF7E47	0	00FED4F1	00000000	00000000	48241000	E3410080
P10	66F87103	01E590CF	47C30F91	1	00F853C7	2080C38F	013C3E0F	20020000	E3708040
P10	1992AE93	013E4A00	210CF7E4	0	00FED4F1	DF4F3C70	00C3C1F0	90582000	E3924E77
P10	D5A16C8A	0100F1CD	8C7030F9	0	00F853C7	4161871F	00787C1E	40AD1668	E3492470
P10	F6187F7F	017AAA68	4F10F7E0	0	00F853C7	00000000	00000000	22008300	E32CBA7E
P10	B532FF1E	01058411	83C703CF	0	00F853C7	2080C38F	013C3E0F	11080180	E3145F14
P10	A1228F44	013F78C2	C4F10CF7	1	00F853C7	4161871F	00787C1E	989861C7	E38A04CA
P10	9E36DA67	01734375	153C703C	1	00F853C7	DF4F3C70	00C3C1F0	409043A0	E31D3D05
P10	007A6960	01E86FE0	004F10CF	0	00F853C7	00000000	00000000	EF0B7030	E329A0BA
P10	B80C5117	01F088D6	3853C703	1	00F853C7	4161871F	00787C1E	00051490	E3149050
P10	3EAE30A6	016717F6	2E04F10C	1	00F853C7	DF4F3C70	00C3C1F0	00A28A80	E3385A2B
P10	785CE197	01E7238F	7F853C70	0	00F853C7	00000000	00000000	0F571C50	E331A0F1
P10	90C1FF71	01F5A2DF	9FD04F1C	0	00F853C7	2080C38F	013C3E0F	84280000	E3109040
P10	0E564F30	01364324	8FF853C7	0	00F853C7	00000000	00000000	C2506184	E39A5977
P10	F3D18BAE	01E80680	4FFED4F1	1	00F853C7	00000000	00000000	01282080	E3092092
P10	BC9A6ACB	01F88984	2FF853C7	0	00F853C7	DF4F3C70	00C3C1F0	00800240	E3048040
P10	18D1558E	01CF820D	8FFED4F1	0	00F853C7	4161871F	00787C1E	4F451420	E36040E0
P10	C5F071A0	0175F8BC	4FF853C7	1	00F853C7	00000000	00000000	24208A90	E3343826
P10	B8777ECF	01D072EE	FFFFFFE4	1	00F853C7	DF4F3C70	00C3C1F0	02100000	E31A1802
P10	194A10BF	01C26AC7	FFFFFFB5	0	00F853C7	00000000	00000000	40289F20	E3692471
P10	9C1863A7	01EAD0AD	FFFFFFFC	0	00F853C7	2080C38F	013C3E0F	84850010	E3201420
P10	8C486A0E	01308FA0	3FFFFFFB	0	00F853C7	2080C38F	013C3E0F	C24821C0	F3940A16
P10	5BACE210	012562AE	8FFFFFFE	1	00F853C7	2080C38F	013C3E0F	402431C7	F39E1FC3
P10	8CE04416	0121D0E8	1FFFFFFF	1	00F853C7	DF4F3C70	00C3C1F0	A05271C3	E39E1F07

00025

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0012								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P10	FC74D269	01DF0387	4FFFFFFF	0	00FFFFFF	DF4F3C70	00C3C1F0	47271A20	E341E8F0
P10	D9073D0C	01D74AA1	2FFFFFFF	0	00FFFFFF	00000000	00000000	6FB38D34	E361E0F8
P11	48BACA40	00392B9A	4FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	E3000000
P12	48BACA40	00392B9A	4FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF	E3FFFFFF
P13	23C6D465	00000000	4FFFFFFF	1	00FFFFFF	00000000	00000000	FF000000	E3000000
P15	DCC6D465	00000000	4FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	F3000000

00026

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0013								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	5B0R0E1D	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	6DBAD86D	00000000	5B087E1D	0	00000000	00000000	00000000	FF000000	00000000
P02	6D000000	00EAD86D	5B080F10	0	00000000	11061018	00061018	80000000	00000000
P03	00000000	00000000	16F60387	0	00B6DB6D	021871E7	00061018	00000000	FF000000
P09	00000000	00000000	05E08011	1	00B6DB6D	021871E7	00061018	00000000	FF000000
P10	00861070	00018706	05E66038	0	00B6DB6D	021871E7	0139E3E7	00000000	FF000000
P10	7F58A498	01021938	705BDA1E	0	00B6DB6D	0430E3CE	018C3830	00430400	FF18C183
P10	DECAE056	01958822	A856F603	0	00B6DB6D	00000000	00000000	02283340	FFC40000
P10	873884C4	0174602F	26056780	1	00B6DB6D	0430E3CE	018C3830	01041200	FE420400
P10	ACR3110A	01869447	40856F60	0	00002B86	021871E7	0139E3E7	02985840	FFE21610
P10	14FF31FC	0117586C	586D88D8	0	00000000	021871E7	00061018	06418020	FED14F23
P10	F029830B	01000005	A60566F6	0	00000000	00000000	00000000	00000000	FF63AC14
P10	7EC14AFF	01EAE0F0	40F6085E	0	00000000	00000000	00000000	00144400	FF20000A
P10	9FF540BF	01F2B0FE	EE60456F	0	00000000	0430E3CE	018C3830	00002400	FF100000
P10	A6F1610C	019BA0F3	76FB605E	1	00000000	021871E7	00061018	02183400	FFC81018
P10	E9FA481F	01E5682C	10F60856	1	00000000	021871E7	0139E3E7	010034F0	FF650E0C
P10	05F4FF49	012E6171	2640B605	1	00000000	00000000	00000000	74D06040	FE82B516
P10	00AC0EFD	01F73519	32FB605E	0	00000000	021871E7	0139E3E7	222A0204	FF111008
P10	80E8400C	0133F19D	60F6086D	0	00000000	0430E3CE	018C3830	66314700	FF989804
P10	5FFABA1D	0189D45A	202D460B	0	00000000	021871E7	00061018	4218A3C0	FF00500A
P10	07FE9ACF	01E0E502	40CB6056	1	00000000	021871E7	00061018	210059F0	FF662F20
P10	C9EAC0E2	01D03F0C	F002086D	1	00000000	021871E7	0139E3E7	018620F0	FF731604
P10	8D57C33A	01268008	5000B605	0	00000000	021871E7	0139E3E7	E4035640	FF8898F2
P10	A518C6F2	0129F203	F0002016	1	00000000	0430E3CE	018C3830	F6E8E300	FF9C59F1
P10	95FCF18C	018E64FC	0000086D	1	00000000	021871E7	0139E3E7	021071F0	FFC63018
P10	EER2C39C	0110AFC3	00000208	0	00000000	021871E7	0139E3E7	6AFA70C0	FFC73278
P10	1E67C000	0138AFD7	80000056	1	00000000	0430E3CE	018C3830	F7716540	FF8EB171
P10	BB4992F4	01F89A45	00000020	1	00000000	021871E7	0139E3E7	8B38F8A0	FF065008
P10	B3658892	011040FE	00000008	0	00000000	021871E7	0139E3E7	00F40050	FF076402
P10	E4026F74	013882A2	00000002	1	00000000	0430E3CE	018C3830	7EF20580	FF8EB2F8
P10	6783F65D	018E8F1A	E0000000	1	00000000	021871E7	0139E3E7	327873C0	FF0659F9

00027

SIGMA LOGIC SIMULATION, FML, CASE 0013									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	2A0706E0	011C4D29	F0000000	0	00000000	FDE78E18	0139E3E7	BBF1F32F	FEC765AD
P10	DB045EF5	013AB2D8	80000000	0	00000000	00000000	00000000	DDF3C314	FE8EB2D6
P11	B8F8220A	01C765AF	00000000	0	00000000	021871E7	00C61C18	00000000	FE000000
P12	BB1093F1	008D81C7	00000000	0	00000000	00000000	00000000	FFFFFFF	FFFFFFF
P13	3ERD81C7	00000000	00000000	0	00000000	00000000	00000000	00000000	FE000000
P15	3ERD81C7	00000000	00000000	0	00000000	00000000	00000000	00000000	FE000000

00028

SIGMA LOGIC SIMULATION, FML, CASE 0014									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	7CF5C8E1	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	C05B3C70	00000000	7CF5C8E1	0	00000000	00000000	00000000	FF000000	00000000
P02	32000000	015B3C70	7CF5C8E1	0	00000000	1F3B39C8	003B38C8	80000000	00000000
P03	00000000	00000000	1F3B39C8	0	015B3C70	42468ACE	01C4C737	00000000	D0000000
P09	00000000	00000000	07CF5C8E	0	015B3C70	42468ACE	01C4C737	00000000	D0000000
P10	DC91A2B3	01F131C0	81F3D723	0	0076CF1C	00000000	00000000	00000000	00000000
P10	742468AC	01FC4C73	E07CF5C8	1	00F5B3C7	848D159C	01R98E6E	00000000	D0000000
P10	7C2A5F4C	011D7087	3C1F3072	0	00F06CF1	B0B97531	003B38C8	02020202	D0C40631
P10	80E44A8E	01F8979F	C707CF5C	0	00FF5B3C	42468ACE	01C4C737	9F152AA2	D00E9840
P10	182DFAB8	01CC823A	81C1F3D7	0	00FFD6CF	848D159C	01R98E6E	C9220547	D0E6498B
P10	05ACBA98	0118D037	FC707CF5	1	00FF5B3B	00000000	00000000	44968AC0	D0C64595
P10	A44D8C15	01F7A628	BF1C1F3D	0	00FFFD6C	B0B97531	003B38C8	A24C4544	D000228A
P10	AEED2F18	01F32F1A	23C707CF	0	00FFFF5B	848D159C	01R98E6E	5224A08A	D0199144
P10	1E112603	0118CC0C	BCF1C1F3	1	00FFFFD6	42468ACE	01C4C737	435693CC	D0CCC7A7
P10	07CC4FC0	01043327	6B3C707C	1	00FFFF5B	B0B97531	003B38C8	A12B4167	D0E66393
P10	06D49EE5	01F65A1F	96CF1C1F	0	00FFFFFD	00000000	00000000	D2C4A2B0	D01319C1
P10	B5000F15	01F95AF7	55R3C707	1	00FFFFFD	42468ACE	01C4C737	816A4150	D0090C00
P10	1D8B3122	010024F0	E06CF1C1	1	00FFFFFD	B0B97531	003B38C8	C0A105A1	D0E4A71B
P10	D824DC6E	01F4AF08	7F5B3C70	0	00FFFFFD	00000000	00000000	4FD49A91	D016916C
P10	258C12BF	01F88F99	FFD6CF1C	0	00FFFFFD	848D159C	01R98E6E	24024800	D00A4284
P10	E14CD3C8	011ED05C	FFF5B3C7	0	00FFFFFD	00000000	00000000	12460540	D0C44746
P10	BCC2R6F1	01F6A5C6	8FFD6CF1	1	00FFFFFD	00000000	00000000	0C220202	D0022022
P10	2F382DB1	01F02179	6FFF5B3C	0	00FFFFFD	B0B97531	003B38C8	00010001	D0011001
P10	24AC1624	01F1C26C	1FFFD6CF	0	00FFFFFD	848D159C	01R98E6E	969C9229	D01C9824
P10	8D4C6448	01193509	3FFFF5B3	1	00FFFFFD	00000000	00000000	42468ACE	D0CCC536
P10	F3FA9EC1	01F57C0F	8FFFFD6C	1	00FFFFFD	B0B97531	003B38C8	00020002	D0040280
P10	D3907B25	01F29191	2FFFF5B3	0	00FFFFFD	00000000	00000000	58DD0289	D01A9C44
P10	62035CC9	01FAC375	7FFFFD6C	1	00FFFFFD	42468ACE	01C4C737	28480440	D0094800
P10	82377493	010DF310	FFFFFFF5	1	00FFFFFD	B0B97531	003B38C8	B1210660	D0E4219A
P10	A3ABC1F1	01F4BF9C	8FFFFFD0	0	00FFFFFD	B0B97531	003B38C8	5898A100	D01690CC
P10	11A283B6	01F645A5	1FFFFFD0	0	00FFFFFD	848D159C	01R98E6E	5DCDF890	D01B5C64

00029

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0014								
	A REGISTER	AIREGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
P10	F27CDBAC	011925EB	8FFFFFFF	0	00FFFFFF	42468ACE	01C4C737	0A4648CF	D0CDA632
P10	AE9F0668	0104113B	3FFFFFFF	0	00FFFFFF	00000000	00000000	A1236567	D0E6D399
P11	4FC26BD2	01EAE4C5	3FFFFFFF	1	00FFFFFF	BDB97531	003B38C8	00000000	D0000000
P12	007RE104	0026109E	3FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF	DFFFFFFF
P13	10261D9E	00000000	3FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	D0000000
P15	1026109E	00000000	3FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	D0000000

00030

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0015								
	A REGISTER	AIREGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	8C178F32	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	50012345	00000000	8C178F32	0	00000000	00000000	00000000	FF000000	00000000
P02	50000000	00012345	8C178F32	0	00000000	061789AB	000789AB	80000000	00000000
P03	8C178F32	00012345	8C178F32	0	00012345	00000000	00000000	00000000	D6000000
P04	C178F320	00123458	8C178F32	0	00012345	00000000	00000000	00000000	D5000000
P05	00000000	00000000	8C178F32	0	00012345	258BC0FF	000789AB	00000000	D5000000
P06	58BC0EFF	00789AB2	8C178F32	0	00012345	258BC0FF	000789AB	00000000	D4000000
P07	00000000	00000000	2305E30C	0	00012345	58BC0EFF	00789AB2	00000000	D4000000
P09	00000000	00000000	08C178F3	0	00012345	B179B0E0	00F13564	00000000	D4000000
P10	2C5E6F78	000C4059	06305E3C	1	000048D1	00000000	00000000	00000000	D4000000
P10	4B179BDE	000F1356	058C178F	0	00001234	A743210F	0187654D	00000000	D4000000
P10	FB152F84	01F21086	416305E3	1	0000048D	58BC0EFF	00789AB2	01818000	D40380A2
P10	A8A1C30	01F641F5	E458C178	1	00000123	A743210F	0187654D	20CAC750	D4314051
P10	48CCFF99	01141A3F	7D16305E	0	00000248	00000000	00000000	D665028	D403A0A2
P10	27A97F05	01F11F27	2345X017	0	00000012	58BC0EFF	00789AB2	2F200140	D4080111
P10	170D682C	01F05D61	68D16305	1	00000004	B179B0E0	00F13564	90542FA0	D43C4519
P10	0DR83E9B	01C04047	925458C1	0	00000001	A743210F	0187654D	08A594D	D4782A90
P10	98956251	01C0012F	24FD1630	0	00000000	B179B0E0	00F13564	C6F5104	D4F5B5A2
P10	3BCE713F	01C66074	3123458C	0	00000000	58BC0EFF	00789AB2	486A97A	D4729A93
P10	CAC60C98	01F31216	E448F163	0	00000000	00000000	00000000	2C776F0	D4394058
P10	F94C5830	01F29553	FC123458	1	00000000	00000000	00000000	04230440	D4188428
P10	FF63D7B7	01FAR456	30C48D16	0	00000000	A743210F	0187654D	0C100000	D4084200
P10	D60C30AE	01106306	00012345	0	00000000	58BC0EFF	00789AB2	53A1808	D4C52222
P10	B7445AF7	01F83415	70C048D1	0	00000000	B179B0E0	00F13564	29564050	D42F9551
P10	0BFAEAD1	010RE508	90C01234	0	00000000	58BC0EFF	00789AB2	08AA2070	D4741AAA
P10	22F30696	01F05944	40C048D0	0	00000000	58BC0EFF	00789AB2	2C50777	D43E4056
P10	D584AB07	01ED3A8	A0000123	0	00000000	00000000	00000000	147FA570	D43C204A

00031

SIGMA LOGIC SIMULATION, FML, CASE 0015

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	R REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P10	B07EKC2F	01F463C0	E0000048	1	00000000	58BCDF0	0C789AB2	0A0255A7	D4161054
P10	B8B002DF	01E6BA49	F0C00012	0	00000000	A74321CF	0187654D	0C1F645D	D43A0968
P10	04FB1260	0116F59B	30C00004	0	00000000	58BCDF0	00789AB2	D609912F	D4D314A4
P10	6293976F	01EF5FE3	F0C00001	0	00000000	8179BDE0	00F13564	2A5CC937	D4294A59
P10	BE6DB8EF	01C0CR77	F0C00000	0	00000000	00000000	00000000	91PCCEB0	D474AF30
P10	C8005D97	01EE59D1	F0C00000	0	00000000	58BCDEF0	00789AB2	48164457	D4224418
P10	F6DEB1CD	01FE21DE	F0C00000	0	00000000	00000000	00000000	244A2E68	D4352C48
P10	B4A527E9	01F60365	70C00000	0	00000000	00000000	00000000	12251024	D4129024
P11	C6CA380D	00089389	70C00000	0	00000000	00000000	00000000	00000000	D4000000
P12	C6CA380D	00089389	70C00000	0	00000000	00000000	00000000	FFFFFFF7	D4FFFFFF
P13	6CA380D7	0089389C	E0C00000	0	00000000	00000000	00000000	FFFFFFF7	D3FFFFFF
P13	13A9389C	00000000	E0C00000	0	00000000	00000000	00000000	00000000	D3000000
P15	13A9389C	00000000	E0C00000	0	00000000	00000000	00000000	00000000	D3000000

00032

SIGMA LOGIC SIMULATION, FML, CASE 0016

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	R REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	634AC271	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	89ABCDEF	00000000	634AC271	0	00000000	00000000	00000000	FF000000	00000000
P02	76000000	01ABCDEF	634AC271	0	00000000	0056AE37	0056AE37	80000000	00000000
P03	00000000	00000000	18F2B09C	0	01ABCDEF	BF258FE1	0056AE37	FFFFFFF7	F6FFFFFF
P09	00000000	00000000	0634AC27	0	01ABCDEF	40DA741E	01A951C8	00000000	F6000000
P10	1C369D07	01EA5472	808D2B09	1	00EAF37F	00000000	00000000	00000000	F6000000
P10	840DA741	01FA951C	FF634AC2	0	00FABCDE	BF258FE1	0056AE37	00000000	F6000000
P10	CECAC828	01E000CA	38D8D210	0	00FEAF37	81B4FR3D	0152A390	420201A	F629420A
P10	035F08AD	01243904	6FF634AC	0	00FFABCD	81B4FR3D	0152A390	61416494	F6458145
P10	78FAA101	0130C440	27FDR028	0	00FFFAF3	00000000	00000000	00AAR457	F69A51EA
P10	9E100557	01FAA5FA	FDFFA34A	1	00FFFAF3	00000000	00000000	00555000	F6087020
P10	A7915555	01F8A172	F37B0802	1	00FFFAF3	BF258FE1	0056AE37	00080000	F6041010
P10	462F37AD	01FA8705	3C0FF634	1	00FFFAF3	BF258FE1	0056AE37	538087A	F62A5C19
P10	EAA28F3B	01E5907E	2F37E050	0	00FFFFFF	BF258FE1	0056AE37	A92C1D0	F635430A
P10	FF857142	01F19000	ABCDEF63	0	00FFFFFF	40DA741E	01A951C8	55D145F	F63AC71F
P10	FAA39029	01108281	CAF37B08	1	00FFFFFF	40DA741E	01A951C8	2AF8BA7	F604E4EC
P10	642457A6	01184E69	AA8C0EF6	0	00FFFFFF	BF258FE1	0056AE37	3F755817	F6026164
P10	BB9C2114	01E0204E	5CAF37B0	0	00FFFFFF	40DA741E	01A951C8	9A92ADD3	F62F3732
P10	18757E36	011991AD	6FABCDEF	0	00FFFFFF	81B4FR3D	0152A390	4040108	F60498A5
P10	35232120	0127EAA6	2FEAF37F	1	00FFFFFF	40DA741E	01A951C8	84B8B210	F6A84872
P10	3C50FAD8	0109801E	7FFABCDE	1	00FFFFFF	BF258FE1	0056AE37	02501A8F	F694A461
P10	604A1A09	01F2E0AE	AFFFAF37	1	00FFFFFF	00000000	00000000	9F2AC047	F62A5633
P10	7F0835F7	01F22FF7	4FFFFABCD	1	00FFFFFF	BF258FE1	0056AE37	00050427	F6112211
P10	703E2E89	01ED68E0	AFFFAF37	0	00FFFFFF	00000000	00000000	9F8283BF	F6291718
P10	F8FF2B1E	01F11FEA	4FFFFAB3C	0	00FFFFFF	81B4FR3D	0152A390	0R01014	F6148008
P10	9C96B098	0120CF1C	EFFFEAF3	0	00FFFFFF	BF258FE1	0056AE37	44D2948F	F6A841C4
P10	D9086BFD	01F4C838	0FFFFFFA9	1	00FFFFFF	40DA741E	01A951C8	4E4B4344	F616678A
P10	750255F9	0112FF9E	0FFFFFFEA	1	00FFFFFF	BF258FE1	0056AE37	246D3427	F6A200C5
P10	3EA6BA89	01E7905B	9FFFFFFFA	1	00FFFFFF	00000000	00000000	9AB28AF7	F6995748
P10	284E0C1F	01F3B2C4	5FFFFFFFE	1	00FFFFFF	BF258FE1	0056AE37	8D51444	F6108A25
P10	868C70AF	01E065B5	AFFFFFFFF	1	00FFFFFF	BF258FE1	0056AE37	D64286A	F6295512

00033

SIGMA LOGIC SIMULATION, FPL CASE 0016

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	3BC2DF7B	01E4A7A4	8FFFFFFF	0	00FFFFFF	BF258BE1	0056AE37	CB524150	F636B29B
P10	13ED4572	01F12FC2	9FFFFFFF	0	00FFFFFF	00000000	00000000	DDA165B8	F63B535B
P11	F18EAB2B	001C821D	5FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	F6000000
P12	F18EAB2B	001C821D	5FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF7	F6FFFFFF
P13	36E37DE2	00000000	5FFFFFFF	1	00FFFFFF	00000000	00000000	FF000000	F6000000
P15	C9E37DE2	00000000	5FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	F6000000

00034

SIGMA LOGIC SIMULATION, FPL CASE 0017

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	E486C662	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	BF1357BD	00000000	E486C662	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	011357BD	E486C662	0	00000000	02FC9630	00FC9630	80000000	00000000
P03	00000000	00000000	39214198	0	011357BD	F147A0C3	010369CF	00000000	C2000000
P09	00000000	00000000	0E486C66	0	011357BD	E28F5A06	0006D39F	00000000	C2000000
P10	F8A3D6F1	0181B4E7	87921419	0	00C4D5FF	00000000	00000000	00000000	C2000000
P10	FE28F5A0	01E06039	60E486C6	0	00F1357B	E28F5A06	0006D39F	00000000	C2000000
P10	8729E6E9	0179AFA9	9F7921B1	0	00FC4D5E	F147A0C3	010369CF	F1042800	C2002000
P10	A1DA999A	011E890A	A30E486C	0	00FE1357	E28F5A06	0006D39F	F82D0948	C28094C6
P10	EEF5C5A7	01663F68	0EF7921B	0	00FFC4D5	F147A0C3	010369CF	70456744	C20348CF
P10	1BFDC143	011987AE	578DF486	1	00FFF135	00000000	00000000	F822FAA	C24184E7
P10	78F7CDF8	01E60002	B5EF7921	1	00FFFC4D	0E8852FC	00FC9630	00106400	C200C259
P10	5E97FFC1	0106962C	057BDF48	0	00FFFFFF13	0E8852FC	00FC9630	04582070	C2724329
P10	559DE350	01021000	605EF792	0	00FFFC4D	E28F5A06	0006D39F	074C3077	C2734914
P10	AC17A00A	0168E211	23E7921B	0	00FFFFFFF1	00000000	00000000	A3C6B70A	C22929CF
P10	C3F44768	0100E2F7	4405EF79	0	00FFFFFFFC	E28F5A06	0006D39F	50735300	C2149000
P10	1C5E135A	0170C05A	D13573DE	0	00FFFFFFF7	00000000	00000000	E143A900	C204A943
P10	7F476E96	010E0044	3C4D5EF7	0	00FFFFFFF7	F147A0C3	010369CF	00210080	C2000425
P10	A38F70C5	0137742B	CF13573D	1	00FFFFFFF7	E28F5A06	0006D39F	B8A39444	C28116A2
P10	8E692F20	016C2045	AFC4D5EF	0	00FFFFFFF7	0E8852FC	00FC9630	0145A900	C203A855
P10	186E3E3F	01F4C448	8FF1357E	1	00FFFFFFF7	E28F5A06	0006D39F	CF34959	C236577A
P10	4D779CA7	0175103F	4FFC4D5E	1	00FFFFFFF7	0E8852FC	00FC9630	6512818	C2136285
P10	89775987	01E48862	6FFF1357	1	00FFFFFFF7	00000000	00000000	A699425	C23A891A
P10	09C8538	01F7009E	AFFFC4D5	1	00FFFFFFF7	0E8852FC	00FC9630	4048A48	C2114441
P10	D14ED0D3	0106B788	8FFFF135	0	00FFFFFFF7	00000000	00000000	05444257	C27A8248
P10	F50AA7A3	01EFC07C	CFFFC4D5	0	00FFFFFFF7	E28F5A06	0006D39F	00A22100	C2214104
P10	C5C9F763	017227FA	4FFFFFF13	0	00FFFFFFF7	F147A0C3	010369CF	70451111	C213A08A
P10	0132D22C	0118BDAF	6FFFFFFC4	1	00FFFFFFF7	F147A0C3	010369CF	78A2D481	C28990E5
P10	5635E957	012490A1	BFFFFFFF1	0	00FFFFFFF7	0E8852FC	00FC9630	F891674	C284DC07
P10	A807353A	01D73699	CFFFFFFFC	0	00FFFFFFF7	F147A0C3	010369CF	AF58B4A1	C2524458
P10	BD860B04	01218543	DFFFFFFF7	0	00FFFFFFF7	F147A0C3	010369CF	D4A3D400	C2A9B56C

00035

SIGMA LOGIC SIMULATION, FML, CASE 0017									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	26189F34	0122D678	8FFFFFFF	0	00FFFFFF	00000000	00000000	FAC3C583	C290D2A7
P10	F736D6AD	01FC8137	9FFFFFFF	0	00FFFFFF	00000000	00000000	11004287	C2006910
P11	0837192D	01ECEA48	DFFFFFFF	1	00FFFFFF	0EB852FC	00FC9630	00000001	C2000000
P12	16EF6C2A	00E98078	DFFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFFF	C2FFFFFF
P13	02E98078	00000000	DFFFFFFF	1	00FFFFFF	00000000	00000000	00000000	C2000000
P15	02E98078	00000000	DFFFFFFF	1	00FFFFFF	00000000	00000000	00000000	C2000000

00036

SIGMA LOGIC SIMULATION, FML, CASE 0018									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	5A5ACFB3	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	E2006AE3	00000000	5A5ACFB3	0	00000000	00000000	00000000	FF000000	00000000
P02	10000000	01006AE3	5A5ACFB3	0	00000000	610283F3	000083F3	80000000	00000000
P03	00000000	00000000	5A5ACFB3	0	01006AE3	7B27C16B	000083F3	00000000	FF000000
P06	B27C16B0	0008BF37	5A5ACFB3	0	01006AE3	7B27C16B	000083F3	00000000	FF000000
P07	27C16B00	008BF37B	5A5ACFB3	0	01006AE3	7B27C16B	000083F3	00000000	FF000000
P07	00000000	00000000	1A86B30F	1	01006AF3	27C16B00	008BF37B	FFFFFFFF	FFFFFFFF
P09	00000000	00000000	05A5ACFB	1	01006AE3	27C16B00	008BF37B	00000000	FF000000
P10	C9FC5A00	002PFC0E	06696B3C	1	00001A8B	27C16B00	008BF37B	00000000	FF000000
P10	7B8C4C70	002A43F9	03FA5ACF	0	00F006AE	00000000	00000000	00F00000	FF017820
P10	1E0B1A50	000ACFF1	02D69643	1	00F001A8	083F94FF	01740C84	80400000	FF002014
P10	51496328	010FB898	CE35A5AC	1	00FF006A	27C16B00	008BF37B	4C200000	FF000644
P10	4E914041	0105134A	838D6868	0	00FF001A	00000000	00000000	2204B594	FF0450920
P10	08117275	01F43291	7AE35A5A	1	00FF0006	083F94FF	01740C84	01480000	FF028894
P10	4099FA62	012CA0A0	9AB8C696	1	00FF0001	27C16B00	008BF37B	60FC0013	FF020444
P10	42F52656	01055444	16AF35AF	1	00FF0000	27C16B00	008BF37B	3244B511	FF055285
P10	950C3E31	0106F00A	D1AB8069	0	00FF0000	27C16B00	008BF37B	91629488	FF06170A0
P10	C80FF1AE	010RE9FE	726AE35A	0	00FF0000	007029FF	00F81909	4AE01008	FF0648006
P10	8C90B174	0150A316	501AF8DA	0	00FF0000	083F94FF	01740C84	E47E9000	FF0748006
P10	2C342E57	01140401	2006AE35	0	00FF0000	007029FF	00F81909	661F4A7	FF0A5648
P10	FE959374	015192E4	F001A880	0	00FF0000	007029FF	00F81909	921E9931	FF050A24
P10	773D8BED	01796072	2F006AE3	0	00FF0000	083F94FF	01740C84	590FC0B8	FF020012
P10	3D8375FB	01095979	4FC01A88	1	00FF0000	27C16B00	008BF37B	2C9F4471	FF0E0609
P10	3248A95A	0130948D	DFE006AE	0	00FF0000	27C16B00	008BF37B	9F4FAA71	FF090604
P10	A2F19A09	01095870	7FF001A8	0	00FF0000	083F94FF	01740C84	9B24D5A0	FF04981F
P10	B87AF606	013007FA	FFFF006A	1	00FF0000	007029FF	00F81909	001A4455	FF0A6A42A
P10	5147655F	015CAFBE	EFF0001A	1	00FF0000	27C16B00	008BF37B	5C303F6	FF0560285
P10	0AAECEC0	010E5700	1FFF0006	1	00FF0000	27C16B00	008BF37B	AAA2B2A	FF02F515F

00037

SIGMA LOGIC SIMULATOR, FML, CASE 0018

TIME	A REGISTER	A'REGISTER	B REGISTER	RC31	R'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	21F345DA	01D1307D	3FFFFFFC01	1	0FFFFFFF	27C16B00	008BF37B	95517542	FC55A9AD
P10	E4D8DAE6	01C3D9EA	2FFFFFFF00	0	0FFFFFFF	27C16B00	008BF37B	92F8B2A1	FC68DCBE
P10	D47C43D1	01C8378B	0FFFFFFF00	0	0FFFFFFF	807D29FF	00E81909	53647951	FC65E0FD
P10	CDD944DF	0151721F	8FFFFFFF00	0	0FFFFFFF	00000000	00000000	E83E34E8	FC741EC4
P10	C979DC00	01C95B36	0FFFFFFF00	0	0FFFFFFF	00000000	00000000	640C0264	FC230902
P10	2B5D779A	01F8548D	4FFFFFFF00	0	0FFFFFFF	00000000	00000000	20040002	FC040481
P10	02765D66	01FF1403	2FFFFFFF00	0	0FFFFFFF	00000000	00000000	90020001	FC000240
P10	E4851779	01FFC590	0FFFFFFF00	0	0FFFFFFF	00000000	00000000	00010001	FC000000
P11	E4861779	01FFC590	0FFFFFFF00	1	0FFFFFFF	27C16B00	008BF37B	00000001	FC000000
P12	0C778279	008B990C	0FFFFFFF00	1	0FFFFFFF	00000000	00000000	FFFFFFFF	FFFFFFFF
P13	3C7446F3	00000000	0FFFFFFF00	1	0FFFFFFF	00000000	00000000	FF000000	FC000000
P15	C37446F3	00000000	0FFFFFFF00	1	0FFFFFFF	00000000	00000000	00000000	FC000000

00038

SIGMA LOGIC SIMULATOR, FML, CASE 0019

TIME	A REGISTER	A'REGISTER	B REGISTER	RC31	R'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	FC259E49	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	AF00C49F	00000000	FC259E49	0	00000000	00000000	00000000	FF000000	00000000
P02	50000000	0100049F	FC259E49	0	00000000	1FFFFFF60	00FFF860	80000000	00000000
P03	00000000	00000000	30096732	0	0100049F	FC259E49	0100049F	00000000	E0000000
P09	00000000	00000000	FC259E49	0	0100049F	FC259E49	0100049F	00000000	E0000000
P10	FC096782	01000127	40096732	0	00000127	E04B3092	0000093F	00000000	FC000000
P10	07100960	01700206	15F0259E	0	00000000	00000000	00000000	FC04984	E0000000
P10	70C50122	01000025	47FC0967	0	00000012	FC259E49	0100049F	00000000	E0000000
P10	E3783592	0137010E	09FF0259	1	00000004	E04B3092	0000093F	8002849	E0000000
P10	EECC6364	01600210	307B0096	0	00000001	0FDA6186	00FFF860	7025104	E0000000
P10	E44CC426	01E48E7E	049E0025	0	00000000	E04B3092	0000093F	3766318	E036E102
P10	CC0872C1	01749990	81270009	0	00000000	E04B3092	0000093F	72271A5	E012449F
P10	17AD1502	01598E50	8049E002	0	00000000	FC259E49	0100049F	FC259E49	E008040F
P10	05EB4588	01146057	00127000	0	00000000	FC259E49	0100049F	F81201A	E0840287
P10	C3770559	01241AF3	40049EFC	0	00000000	E04B3092	0000093F	FR11E7A	E0R20222
P10	F60B77A3	0169847D	E0C12700	0	00000000	00000000	00000000	F02997A	E0002515
P10	0188F942	010A605A	F00C49FF	0	00000000	00000000	00000000	FC04805	E0000000
P10	3EAF0004	01FA9424	R000127B	1	00000000	00000000	00000000	000044A	E0000000
P10	4F980229	01F0A424	2F00049E	1	00000000	0FDA6186	00FFF860	00000000	E0000000
P10	9C106C67	01C09751	00000127	1	00000000	00000000	00000000	07C0211	E07E0110
P10	65F7535D	01F09190	00000049	1	00000000	0FDA6186	00FFF860	0000100	E0204888
P10	1A8E487A	01C0009E	00000012	0	00000000	00000000	00000000	00E92A8	E077E000
P10	86189900	01E0F017	1FFF0004	0	00000000	E04B3092	0000093F	0144844	E0220440
P10	1905C836	0173301A	00000001	0	00000000	E04B3092	0000093F	00000000	E0110488
P10	5E4AAEA9	0158802E	8FFFFFF000	0	00000000	00000000	00000000	E022A00	E0088680
P10	9E920028	01F402A9	20000000	0	00000000	FC259E49	0100049F	0011530	E0044204
P10	AAF9B309	0134110C	6FFFFFF000	0	00000000	00000000	00000000	E0C88000	E0820146
P10	90484EB7	01E08412	5FFFFFF000	0	00000000	00000000	00000000	5044408	E0000000
P10	312FC38D	01FB6124	0FFFFFF000	0	00000000	00000000	00000000	0000204	E0000000
P10	4E4BC8F3	01FFD849	7FFFFFF000	0	00000000	00000000	00000000	00000000	E0000000
P10	5392F23C	01FFB612	0FFFFFF000	0	00000000	00000000	00000000	00000000	E0000000

00039

SIGMA LOGIC SIMULATION, FML, CASE 0019									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	94E4BC8F	01FFFD84	3FFFFFFF	0	0FFFFFFF	00000000	00000000	00000000	ED000000
P10	25392F23	01FFFF61	FFFFFFFF	0	0FFFFFFF	00000000	00000000	00000000	ED000000
P11	25392F23	01FFFF61	FFFFFFFF	1	0FFFFFFF	0FDA61B6	00FFFF60	00000001	ED000000
P12	351390DA	00FFFA01	FFFFFFFF	1	0FFFFFFF	00000000	00000000	FFFFFFFF	EDFFFFFF
P13	20FFFF6C1	00000000	FFFFFFFF	1	0FFFFFFF	00000000	00000000	00000000	ED000000
P15	20FFFF6C1	00000000	FFFFFFFF	1	0FFFFFFF	00000000	00000000	00000000	ED000000

00040

SIGMA LOGIC SIMULATION, FML, CASE 0020									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	073C2826	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	670000B2	00000000	073C2826	0	00000000	00000000	00000000	FF000000	00000000
P02	67000000	000000B2	073C2826	0	00000000	14FFFFFF54	00FFFFFF54	80000000	00000000
P03	073C2826	000000B2	073C2826	0	000000B2	00000000	00000000	00000000	F8000000
P04	73C28260	00000020	073C2826	0	000000B2	00000000	00000000	00000000	F8000000
P05	3C282600	00000007	073C2826	0	000000B2	00000000	00000000	00000000	F9000000
P05	02826000	00000073	073C2826	0	000000B2	00000000	00000000	00000000	F8000000
P05	28260000	00000026	073C2826	0	000000B2	00000000	00000000	00000000	F7000000
P05	00000000	00000000	350F0A09	0	000000B2	E159F059	010000AB	FFFFFFFF	F7FFFFFF
P09	00000000	00000000	0073C282	0	000000B2	304C1F40	01FFFEA8	00000000	F7000000
P10	0F5307D3	007FFFAA	435CF0A0	0	00000020	1FA6CFA6	00FFFFFF54	00000000	F7000000
P10	84704210	0020003F	60073C28	0	00000000	304C1F40	01FFFEA8	07010300	F73FFFF0
P10	EF8C1744	00780045	60050F0A	0	00000000	00000000	00000000	02A681A0	F71FFFF0
P10	784AA580	0019FF04	882D73C2	0	00000000	00000000	00000000	00000000	F7000000
P10	9E822954	00057FF9	B2CB5CFC	0	00000000	304C1F40	01FFFEA8	00A10000	F7000000
P10	680B0D36	007FA054	60000000	0	00000000	304C1F40	01FFFEA8	0E4004A0	F7028F54
P10	16F5F59E	0060B86A	60000000	0	00000000	00000000	00000000	16240AC0	F73FDF2A
P10	003470D7	00170000	60000000	1	00000000	00000000	00000000	0B120040	F7104C15
P10	42099FA5	0001E571	90000000	1	00000000	E159F059	010000AB	00000000	F7082408
P10	A8E615F7	01027074	00000000	0	00000000	00000000	00000000	AC240C81	F7001214
P10	023064F9	01F00898	F00020B5	1	00000000	1EA6CFA6	00FFFFFF54	50120400	F7000000
P10	93212FD5	010000F1	F0000000	0	00000000	E159F059	010000AB	09190050	F7784000
P10	9E087776	012E0005	00000000	0	00000000	304C1F40	01FFFEA8	00000000	F7A02454
P10	58063E44	01904F0A	70000000	1	00000000	1EA6CFA6	00FFFFFF54	4E6600B7	F707726A
P10	02018F95	01E0300D	60000000	1	00000000	E159F059	010000AB	2F7307D0	F76F3FA5
P10	F30ADE47	0120A000	E0000000	0	00000000	E159F059	010000AB	91A8C360	F7869956

00041

SIGMA LOGIC SIMULATION, FML CASE 0020									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	60FFFB5C	01258FC4	90000002	1	00000000	1EA60FA6	00FFFF54	78846924	F7904077
P10	C1872777	01028C79	D0000000	1	00000000	E159F059	010000AB	3C533594	F75AE72A
P10	072F78AF	01221AFE	10000000	0	00000000	E159F059	010000AB	F0A99AA0	F7A94215
P10	05B7C497	0122D610	F0000000	0	00000000	00000000	00000000	F094FC54	F790015F
P11	F64CC0EC	01B2D76F	70000000	0	00000000	1EA60FA6	00FFFF54	00000001	F7000000
P12	14F2D093	00B2D6C4	70000000	0	00000000	00000000	00000000	FFFFFFF0	F7FFFFFF
P13	374D293B	00000000	70000000	0	00000000	00000000	00000000	FF000000	F7000000
P15	C84D293B	00000000	70000000	0	00000000	00000000	00000000	00000000	F7000000

00042

SIGMA LOGIC SIMULATION, FML CASE 0021									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	F1A3C842	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	10000006	00000000	F1A3C842	0	00000000	00000000	00000000	FFFFFF00	00000000
P02	10000000	00000006	F1A3C842	0	00000000	57000003	00000003	80000000	00000000
P03	F1A3C842	00000006	F1A3C842	0	00000006	00000000	00000000	00000000	E7000000
P04	1A3C8420	0000000F	F1A3C842	0	00000006	00000000	00000000	00000000	F6000000
P05	A3C84200	000000F1	F1A3C842	0	00000006	00000000	00000000	00000000	E5000000
P05	3C842000	0000001A	F1A3C842	0	00000006	00000000	00000000	00000000	E4000000
P05	C8420000	0000001A3	F1A3C842	0	00000006	00000000	00000000	00000000	E3000000
P05	84200000	0000001A3C	F1A3C842	0	00000006	00000000	00000000	00000000	E2000000
P05	00000000	00000000	F1A3C842	0	00000006	002A3C71	00000003	00000000	E2000000
P06	D2A3C710	00000000	F1A3C842	0	00000006	002A3C71	00000003	00000000	E1000000
P07	2A3C7100	00000000	F1A3C842	0	00000006	002A3C71	00000003	00000000	E0000000
P07	A3C71000	00000000	F1A3C842	0	00000006	002A3C71	00000003	00000000	DF000000
P07	3C710000	00000000	F1A3C842	0	00000006	002A3C71	00000003	00000000	DE000000
P07	C7100000	00000000	F1A3C842	0	00000006	002A3C71	00000003	00000000	DD000000
P07	00000000	00000000	3C68F210	0	00000006	C7100000	00000003	00000000	DC000000
P09	00000000	00000000	0F1A3C84	0	00000006	8F200000	0079A547	00000000	00000000
P10	E38F0000	001E6951	0C68F210	0	00000001	00000000	00000000	00000000	00000000
P10	78E20000	00079A54	06F1A3C8	0	00000000	00000000	00000000	00000000	00000000

00013

SIGMA LOGIC SIMULATOR, FML CASE 0021									
TIME	A REGISTER	A1 REGISTER	B REGISTER	BC31	B1 REGISTER	D REGISTER	D1 REGISTER	CS REGISTER	CS1 REGISTER
P10	1E388070	0001E695	018C68F2	0	00000000	C7100000	003CD2A3	00000000	DD000000
P10	B64A2000	00CF400D	006F1A3C	0	00000000	00000000	00000000	83080000	DD006140
P10	4050R800	0003CF13	0018C68F	0	00000000	8E200000	0079A547	41040000	DD002080
P10	20902200	001F93B5	0006F1A3	1	00000000	00000000	00000000	A6800000	DD000081
P10	21874880	000790CD	00018C68	1	00000000	38EFFFFF	01C3205C	90400000	DD0004840
P10	624A2DDF	01F13074	00006F1A	0	00000000	00000000	00000000	1863A440	DD018426
P10	9E8A6267	01FC2F54	00018C68	0	00000000	C7100000	003CD2A3	00211220	DD008212
P10	566EDC11	01F01FB9	00006F1A	0	00000000	8E200000	0079A547	43000110	DD1E4109
P10	E6D3B740	01E5FFFF	4000018C	0	00000000	8E200000	0079A547	A3100000	DD3C0284
P10	B2F8EDD2	01E8164F	2000006F	0	00000000	C7100000	003CD2A3	D3080000	DD3ED362
P10	A9RR3B74	01FA85E3	8000001B	1	00000000	00000000	00000000	E98C0000	DD1E6931
P10	90000EDD	01F93B34	20000006	1	00000000	38EFFFFF	01C3205C	D4040000	DD000090
P10	1F09BC48	0100C5BF	80000001	1	00000000	00000000	00000000	48668760	DD4948A
P10	150BCEC9	01FA544D	90000000	0	00000000	38EFFFFF	01C3205C	04004224	DD024245
P10	0A4D1CC4	010E0FD5	B0000000	0	00000000	8E200000	0079A547	8A65F774	DD12226
P10	03823EEC	01E5926D	90000000	0	00000000	00000000	00000000	C5328220	DD34D323
P11	C8B4C10E	001A6590	D0000000	0	00000000	00000000	00000000	00000000	DD000000
P12	C8B4C10E	001A6590	D0000000	0	00000000	00000000	00000000	FFFFFFFF	DDFFFFFF
P13	1D1A6590	00000000	D0000000	0	00000000	00000000	00000000	00000000	DD000000
P15	1D1A6590	00000000	D0000000	0	00000000	00000000	00000000	00000000	DD000000

00014

SIGMA LOGIC SIMULATOR, FML CASE 0022									
TIME	A REGISTER	A1 REGISTER	B REGISTER	BC31	B1 REGISTER	D REGISTER	D1 REGISTER	CS REGISTER	CS1 REGISTER
PPR	486CEA47	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	42000000	00000000	486CEA47	0	00000000	00000000	00100000	FF000000	00000000
P02	42000000	00000000	486CEA47	0	00000000	3E3AF92C	003AF92C	80000000	00000000
P03	486CEA47	00000000	486CEA47	0	00000000	00000000	00000000	00000000	00000000
P04	86CEA470	00000004	486CEA47	0	00000000	00000000	00000000	00000000	FF000000
P05	6CEA4700	00000048	486CEA47	0	00000000	00000000	00000000	00000000	FF000000
P05	CEA47000	00000086	486CEA47	0	00000000	00000000	00000000	00000000	FF000000
P05	EA470000	000000AC	486CEA47	0	00000000	00000000	00000000	00000000	FF000000
P05	A4700000	000486CE	486CEA47	0	00000000	00000000	00000000	00000000	FF000000
P05	47000000	00486CEA	486CEA47	0	00000000	00000000	00000000	00000000	FF000000
P05	00000000	00000000	121B3A91	1	00000000	76B15038	003AF92C	00000000	FF000000
P09	00000000	00000000	0486CEA4	0	00000000	894FAFC7	01C506D3	00000000	FF000000
P10	E253AFF1	01F14114	C121B3A9	0	00000000	ED62A770	0075F258	00000000	FA000000
P10	03CC42E0	01E12CFB	4048ACEA	0	00000000	00000000	00000000	77215730	FA38A000
P10	DCF844F6	01F6673C	20121E3A	0	00000000	76B15038	003AF92C	00000000	FA101004
P10	2A928D27	01F72285	800486CF	0	00000000	ED62A770	0075F258	2A59A110	FA193896
P10	FB6A2353	01F6FA12	EC0121B3	0	00000000	ED62A770	0075F258	15295110	FA34994A
P10	00CF74CF	01FA6440	F000486C	1	00000000	ED62A770	0075F258	7E851120	FA337020
P10	64C7F125	01F93ACD	B0CC121B	0	00000000	894FAFC7	01C506D3	36701434	FA30BA74
P10	B6FE5145	0104618F	A000486C	1	00000000	76B15038	003AF92C	92235790	FAF69062
P10	149F1747	01F2C17C	0000121	1	00000000	894FAFC7	01C506D3	5859A450	FA187097
P10	31A30436	010B1F0D	00000048	0	00000000	894FAFC7	01C506D3	8CAD07A0	FAF98299
P10	CD181F14	0109E69D	80000012	0	00000000	ED62A770	0075F258	C4D7C3D0	FAE48364
P10	79295F2D	01E625F8	ED000004	0	00000000	00000000	00000000	66A941A0	FA32F12E

00045

SIGMA LOGIC SIMULATION, FML, CASE 0022									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	87E007A1	01F53531	40000001	0	00000000	ED62A070	0075F258	3014A094	FA111094
P10	56A581D1	01E47FFF	60000000	0	00000000	00000000	00000000	52B05057	FA3A9808
P10	C1357462	01F78B70	50000000	0	00000000	76B15038	003AF92C	29500025	FA100804
P10	67B9091C	01F75295	90000000	0	00000000	00000000	00000000	3088A814	FA195C96
P11	9841B130	0010AF2B	90000000	0	00000000	00000000	00000000	00000000	FA000000
P12	9841B130	0010AF2B	90000000	0	00000000	00000000	00000000	FFFFFFF7	FAFFFFFF
P13	3A10AF2B	00000000	90000000	0	00000000	00000000	00000000	00000000	FA000000
P15	3A10AF2B	00000000	90000000	0	00000000	00000000	00000000	00000000	FA000000

00046

SIGMA LOGIC SIMULATION, FML, CASE 0023									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	07C1601F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	D2000000	00000000	07C1601F	0	00000000	00000000	00000000	FFFFFFFF	00000000
P02	20000000	01000000	07C1601F	0	00000000	37000000	00000000	80000000	00000000
P03	00000000	00000000	07C1601F	0	01000000	050B8067	00000000	00000000	E4500000
P06	50B80670	00000000	07C1601F	0	01000000	050B8067	00000000	00000000	E8000000
P07	0B806700	00000000	07C1601F	0	01000000	050B8067	00000000	00000000	E2000000
P07	B8167000	00000000	07C1601F	0	01000000	050B8067	00000000	00000000	E1000000
P07	80670000	00000000	07C1601F	0	01000000	050B8067	00000000	00000000	E0000000
P07	06700000	00000000	07C1601F	0	01000000	050B8067	00000000	00000000	DF000000
P07	67000000	00050B80	07C1601F	0	01000000	050B8067	00000000	00000000	DE000000
P07	70000000	050B8067	07C1601F	0	01000000	050B8067	00000000	00000000	DD000000
P07	00000000	00000000	01F05047	1	01000000	70000000	0150B806	FFFFFFFF	00FFFFFF
P09	00000000	00000000	07C1601F	1	01000000	70000000	0050B806	00000000	00000000
P10	90000000	00176001	001F0B54	0	00000000	00000000	00000000	00000000	00000000
P10	67000000	00050B80	0007C160	0	00000000	1FFFFFFF	01448FF3	00000000	00000000
P10	DE3FFFFFF	0100B510	0001F0B5	0	00000000	00000000	00000000	00000000	00000000
P10	376FFFFFF	01F48437	00007C16	1	00000000	8FFFFFFF	01A247F9	03800000	00224500
P10	AE640000	0115H853	00001F05	1	00000000	70000000	0050B806	01000000	00002280
P10	5774FFFF	01F600C3	000007C1	0	00000000	70000000	0050B806	83B7FFFF	00003358
P10	10098FFFF	01F4503B	000001F0	0	00000000	1FFFFFFF	01448FF3	ARR00000	00374001
P10	6AB90000	0125E602	00000070	0	00000000	8FFFFFFF	01A247F9	8FCC0000	00822699
P10	9AF22000	010061F4	0000001F	0	00000000	00000000	00000000	C77EFFFF	00013350
P10	176770FF	01F714AA	00000007	1	00000000	00000000	00000000	41311400	000090AA

00047

SIGMA LOGIC SIMULATION, FML CASE 0023									
TIME	A REGISTER	AIREGISTER	B REGISTER	RC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P10	159599BF	01FDE100	C0000001	1	00FFFFFF	70000000	005DB806	00908800	DD000855
P10	D941446F	01E81454	C0000000	0	00FFFFFF	00000000	00000000	08484400	DD2ED402
P10	B442401B	01F1B015	C0000000	0	00FFFFFF	1FFFFFFF	01448FF3	04202200	DD140A00
P10	ABE76779	01284079	0F000000	0	00FFFFFF	00000000	00000000	8A313100	DDAA4508
P10	4875959D	01E0821C	0FC00000	0	00FFFFFF	00000000	00000000	45109084	DD142284
P10	03594146	01FD2826	7FF00000	0	00FFFFFF	00000000	00000000	20084840	DD000102
P10	08D44241	01FF4A49	1FFC0000	0	00FFFFFF	00000000	00000000	00042021	DD000001
P10	02341898	01FFD092	0FFF0000	0	00FFFFFF	00000000	00000000	80020000	DD000000
P10	A08C8626	01FFF4A4	2FFF0000	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	28236189	01FFF029	8FFFF000	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	4A08D862	01FFFF4A	6FFFF000	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	92823618	01FFFFD2	9FFFF000	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	A4A08D86	01FFFFF4	2FFFF000	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	29282361	01FFFFFD	8FFFF000	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	4A4A08D8	01FFFFFF	6FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	D2928236	01FFFFFFF	1FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	F4A4A08D	01FFFFFFF	8FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	DD000000
P10	FD292823	01FFFFFFF	6FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	DD000000
P11	FD292823	01FFFFFFF	6FFFFFFF	1	00FFFFFF	70000000	005DB806	00000000	DD000000
P12	6D292823	005DB806	6FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF0	DDFFFFFF
P13	1DA247F9	00000000	6FFFFFFF	1	00FFFFFF	00000000	00000000	FF000000	DD000000
P15	E2A247F9	00000000	6FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	DD000000

00048

SIGMA LOGIC SIMULATION, FML CASE 0024									
TIME	A REGISTER	AIREGISTER	B REGISTER	RC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	0091918B	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	CB000000	00000000	0091918B	0	00000000	00000000	00000000	FF000000	00000000
P02	34000000	01000000	0091918B	0	00000000	8FFFFFFF	00FFFFFF	80000000	00000000
P03	00000000	00000000	0124646E	1	01000000	01F566E9	01000000	00000000	13000000
P09	00000000	00000000	00091918	1	01000000	FF1A9916	00FFFFFF	00000000	13000000
P10	FFC6A645	003FFFFFF	80024646	1	00000000	FF1A9916	00FFFFFF	00000000	13000000
P10	00370FD4	00300000	F0009191	1	00000000	00000000	00000000	FF814000	131FFFFFF
P10	FFF093F5	0008FFFF	80002464	0	00FC0000	FF1A9916	00FFFFFF	00000000	13080000
P10	003DE2B8	003FC000	F0000919	0	00FF0000	01CACC02	00000000	00000000	1305FFFF
P10	FFF0C9F8	018E8FFF	00000246	0	00FF0000	00000000	00000000	00066400	13028000
P10	FFD6AF6D	01E30FFF	50000091	0	00FFFFFF	00E566E9	01000000	00422020	13014000
P10	FFFC7A68	01389FFF	10000224	0	00FFFFFF	01CACC02	00000000	00431000	13008000
P10	FF9D6923	016FC4FF	20000000	0	00FFFFFF	00E566E9	01000000	00E52000	13004000
P10	FFE7480C	011B913F	00000000	0	00FFFFFF	00000000	00000000	00728A04	13000000
P10	FFF57F92	01EAE44F	10000000	0	00FFFFFF	00E566E9	01000000	00310000	13000000
P10	FFCC464C	01390913	50000000	0	00FFFFFF	01CACC02	00000000	00728900	13000000
P10	FF9DCE3E	016E6F44	00000000	0	00FFFFFF	00000000	00000000	00F56300	13000000
P10	3FE1B67	01D09991	30000000	0	00FFFFFF	00000000	00000000	00428100	13000000
P10	4FE7269D	01F6E6E4	8FC00000	0	00FFFFFF	00000000	00000000	00210000	13000000
P10	13F18987	01F00000	4FC00000	0	00FFFFFF	00000000	00000000	00108000	13000000
P10	44F84271	01FF6F6E	FFF00000	0	00FFFFFF	00000000	00000000	00084000	13000000
P10	913C009C	01FFD092	7FF00000	0	00FFFFFF	00000000	00000000	00042000	13000000
P10	E44E0827	01FFFAE6	1FFF0000	0	00FFFFFF	00000000	00000000	00020000	13000000
P10	B9130209	01FFFB89	0FFF0000	0	00FFFFFF	00000000	00000000	00010000	13000000
P10	6E448082	01FFFF6F	7FFF0000	0	00FFFFFF	00000000	00000000	00008000	13000000
P10	9B910020	01FFFF0B	9FFF0000	0	00FFFFFF	00000000	00000000	00004000	13000000
P10	E6E450C8	01FFFFFF6	2FFFF000	0	00FFFFFF	00000000	00000000	00002000	13000000
P10	B9991402	01FFFFFFD	0FFFF000	0	00FFFFFF	00000000	00000000	00000000	13000000
P10	6E6F4500	01FFFFFFF	8FFFF000	0	00FFFFFF	00000000	00000000	00000000	13000000
P10	DB9E9140	01FFFFFFF	2FFFF000	0	00FFFFFF	00000000	00000000	00000000	13000000
P10	F6E6E450	01FFFFFFF	0FFFF000	0	00FFFFFF	00000000	00000000	00000000	13000000

00049

SIGMA LOGIC SIMULATION, FVL, CASE 0024									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P10	FDB9B914	01FFFFFF	0FFFFFFF	0	0FFFFFFF	00000000	00000000	00000000	13000000
P10	FF6E6E45	01FFFFFF	0FFFFFFF	0	0FFFFFFF	00000000	00000000	00000000	13000000
P11	FF6E6E45	01FFFFFF	0FFFFFFF	1	0FFFFFFF	FF1A9916	00FFFFFF	00000001	13000000
P12	FEA9075C	00FFFFFF	0FFFFFFF	1	0FFFFFFF	00000000	00000000	FFFFFFFF	13FFFFFF
P13	53FFFFFF	00000000	0FFFFFFF	1	0FFFFFFF	00000000	00000000	00000000	13000000
P15	53FFFFFF	00000000	0FFFFFFF	1	0FFFFFFF	00000000	00000000	00000000	13000000

00050

SIGMA LOGIC SIMULATION, FVL, CASE 0025									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	0002E4E0	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1F000000	00000000	0002E4E0	0	00000000	00000000	00000000	FF000000	00000000
P02	1F000000	00000000	0002E4E0	0	00000000	50FFFFFF	00FFFFFF	80000000	00000000
P03	0002E4E0	00000000	0002E4E0	0	00000000	00000000	00000000	00000000	F0000000
P04	0002E4E0	00000000	0002E4E0	0	00000000	00000000	00000000	00000000	F0000000
P05	02E4E000	00000000	0002E4E0	0	00000000	00000000	00000000	00000000	F0000000
P05	2E4E0000	00000000	0002E4E0	0	00000000	00000000	00000000	00000000	F0000000
P05	E4E00000	00000000	0002E4E0	0	00000000	00000000	00000000	00000000	F0000000
P05	4E000000	0000002E	0002E4E0	0	00000000	00000000	00000000	00000000	F7000000
P05	E0000000	000000F4	0002E4E0	0	00000000	00000000	00000000	00000000	F6000000
P05	00000000	000000F4E	0002E4E0	0	00000000	00000000	00000000	00000000	F5000000
P05	00000000	0002E4E0	0002E4E0	0	00000000	00000000	00000000	00000000	F4000000
P05	00000000	0002E4E0	0002E4E0	0	00000000	00000000	00000000	00000000	F3000000
P05	00000000	00000000	0000B938	0	00000000	00000000	01000000	FFFFFFFF	F3FFFFFF
P09	00000000	00000000	00002E4E	0	00000000	00000000	00000000	00000000	F3000000
P10	00000000	00000000	00000B93	0	00000000	00000000	00000000	00000000	F3000000
P10	00000000	00000000	00000E4	1	00000000	FFF5E0C5	01FFFFFF	00000000	F3000000
P10	FFF97B31	007FFFFFF	400000B9	0	00000000	00000000	01000000	00000000	F3000000
P10	FFF01CAB	010FFFFFF	2000002E	0	00000000	FFF2F662	00FFFFFF	0004848	F3000000
P10	00000B93	01000000	6000000B	0	00000000	FFF2F662	00FFFFFF	FFF4445	F36FFFFFF
P10	000299F9	01000000	E0000002	1	00000000	FFF5E0C5	01FFFFFF	FFF96024	F37FFFFFF

00051

SIGMA LOGIC SIMULATION, FML, CASE 0025									
TIME	A REGISTER	A1REGISTER	B REGISTER	BC31	B1REGISTER	D REGISTER	D1REGISTER	CS REGISTER	CS1REGISTER
P10	00078601	01978000	00000000	1	00000000	0000099D	01000000	FFF0F6F4	F3FBFFFF
P10	FFFE9E5A	011B1FFF	00000000	0	00000000	0000099D	01000000	0002C34A	F3C9C000
P10	FFFC5523	0134B7FF	70000000	0	00000000	FFF2F6A2	00FFFFFF	000745A0	F3848000
P10	0002798B	01D3F200	10000000	0	00000000	00000000	00000000	FFFB2A91	F35A5BFF
P11	FFFDA44C	002F40FF	D0000000	0	00000000	00000000	00000000	00000000	F3000000
P12	FFFDA44C	002F40FF	D0000000	0	00000000	00000000	00000000	FFFFFFF	F3FFFFFF
P13	33D1B200	00000000	D0000000	0	00000000	00000000	00000000	FF000000	F3000000
P15	CCD1B200	00000000	D0000000	0	00000000	00000000	00000000	00000000	F3000000

00052

SIGMA LOGIC SIMULATION, FML, CASE 0026									
TIME	A REGISTER	A1REGISTER	B REGISTER	BC31	B1REGISTER	D REGISTER	D1REGISTER	CS REGISTER	CS1REGISTER
PPR	0000438D	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	89000000	00000000	0000438D	0	00000000	00000000	00000000	FF000000	00000000
P02	76000000	01000000	0000438D	0	00000000	14000000	00000000	80000000	00000000
P03	00000000	00000000	0000438D	0	01000000	000038D0	00000000	00000000	0A000000
P06	00038D00	00000000	0000438D	0	01000000	000038D0	00000000	00000000	09000000
P07	0038D000	00000000	0000438D	0	01000000	000038D0	00000000	00000000	08000000
P07	038D0000	00000000	0000438D	0	01000000	000038D0	00000000	00000000	07000000
P07	38D00000	00000000	0000438D	0	01000000	000038D0	00000000	00000000	06000000
P07	8D000000	00000003	0000438D	0	01000000	000038D0	00000000	00000000	05000000
P07	D0000000	00000038	0000438D	0	01000000	000038D0	00000000	00000000	04000000
P07	00000000	0000038D	0000438D	0	01000000	000038D0	00000000	00000000	03000000
P07	00000000	000038D0	0000438D	0	01000000	000038D0	00000000	00000000	02000000
P07	00000000	00038D00	0000438D	0	01000000	000038D0	00000000	00000000	01000000
P07	00000000	0038D000	0000438D	0	01000000	000038D0	00000000	00000000	00000000
P07	00000000	00000000	000010E3	0	01000000	00000000	0038D000	FFFFFFF	00FFFFFF
P09	00000000	00000000	00000438	1	01000000	FFFFFFF	01072FFF	00000000	00000000
P10	FFFFFFF	01F1C8FF	C000010E	0	00000000	00000000	0038D000	00000000	00000000
P10	FFFFFFF	01F246FF	C0000043	0	00000000	FFFFFFF	01072FFF	00000000	00186000
P10	00000000	010B4240	00000010	1	00000000	FFFFFFF	018E5FFF	FFFFFFF	00E9337F
P10	00000000	011F0B80	00000004	0	00000000	00000000	0038D000	FFFFFFF	00C5A98F

00053

SIGMA LOGIC SIMULATOR, FPL, CASE 0026

TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	FFFFFFFF	01F99C83	C0000001	0	00FFC000	FFFFFFFF	01C72FFF	00000000	000C4D8
P10	00000000	010C9FE9	00000000	0	00FFFFFF	00000000	00000000	FFFFFFFF	07E6C66D
P10	3FFFFFFF	01FA96E1	C0C00000	0	00FFFFFF	FFFFFFFF	01C72FFF	80000000	0002423A
P10	900000C0	010CFFFA	00000000	0	00FFFFFF	00000000	00000000	0FFFFFFF	07E1037A
P10	13FFFFFF	01F8BF6C	C0000000	0	00FFFFFF	00000000	00000000	48000000	00008125
P10	56FFFFFF	01FECF92	C0000000	0	00FFFFFF	00000000	00000000	00000000	07004092
P10	15BFFFFFF	01FFFA30	C0000000	0	00FFFFFF	00000000	00000000	00000000	00002049
P10	456FFFFFF	01FFE0E2	C0C00000	0	00FFFFFF	00000000	00000000	00000000	00001020
P10	915BFFFF	01FFF030	C0000000	0	00FFFFFF	00000000	00000000	00000000	00000010
P10	2456FFFF	01FFFF08	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000008
P10	0915BFFF	01FFFFC0	CFC00000	0	00FFFFFF	00000000	00000000	00000000	00000004
P10	02456FFF	01FFFFF1	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	40915BFF	01FFFFFC	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	102456FF	01FFFFF0	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	C40915BF	01FFFFF0	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	F102456F	01FFFFF0	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FC40915B	01FFFFF0	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FF102456	01FFFFF0	CF000000	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FFF40915	01FFFFF0	8FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FFF10245	01FFFFF0	7FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FFF40915	01FFFFF0	5FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FFF10245	01FFFFF0	5FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FFF40915	01FFFFF0	1FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	00000000
P10	FFF10245	01FFFFF0	4FFFFFF0	0	00FFFFFF	00000000	00000000	00000000	00000000
P11	FFFF102	01FFFFF0	4FFFFFF0	1	00FFFFFF	00000000	0038D000	00000000	00000000
P12	FFFF102	0038CFFF	4FFFFFF0	1	00FFFFFF	00000000	00000000	FFFFFFFF	00FFFFFF
P13	40C73000	00000000	4FFFFFF0	1	00FFFFFF	00000000	00000000	FF000000	00000000
P15	8FC73000	00000000	4FFFFFF0	1	00FFFFFF	00000000	00000000	00000000	00000000

00051

SIGMA LOGIC SIMULATOR, FPL, CASE 0027

TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	000009F2	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	60000000	00000000	000009F2	0	00000000	00000000	00000000	FF000000	00000000
P02	60000000	00000000	000009F2	0	00000000	16000000	00000000	80000000	00000000
P03	000009F2	00000000	000009F2	0	00000000	00000000	00000000	00000000	03000000
P04	000009F2	00000000	000009F2	0	00000000	00000000	00000000	00000000	02000000
P05	0009F200	00000000	000009F2	0	00000000	00000000	00000000	00000000	01000000
P05	009F2000	00000000	000009F2	0	00000000	00000000	00000000	00000000	00000000
P05	09F20000	00000000	000009F2	0	00000000	00000000	00000000	00000000	FF000000
P05	9F200000	00000000	000009F2	0	00000000	00000000	00000000	00000000	FE000000
P05	F2000000	00000000	000009F2	0	00000000	00000000	00000000	00000000	FD000000
P05	20000000	00000000	000009F2	0	00000000	00000000	00000000	00000000	FC000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	FB000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	FA000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F9000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F8000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F7000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F6000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F5000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F4000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F3000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F2000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F1000000
P05	00000000	000009F2	000009F2	0	00000000	00000000	00000000	00000000	F0000000
P06	00000000	00000000	000009F2	0	00000000	00000000	00000000	00000000	F7000000
P07	00000000	00000000	000009F2	0	00000000	00000000	00000000	00000000	F6000000

00055

SIGMA LOGIC SIMULATION, FML, CASE 0027									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P07	006C6000	00000000	000009F2	0	00000000	000006C6	00000000	00000000	F5000000
P07	06C60000	00000000	000009F2	0	00000000	000006C6	00000000	00000000	F4000000
P07	6C600000	00000000	000009F2	0	00000000	000006C6	00000000	00000000	F3000000
P07	C6000000	00000006	000009F2	0	00000000	000006C6	00000000	00000000	F2000000
P07	60000000	0000006C	000009F2	0	00000000	000006C6	00000000	00000000	F1000000
P07	00000000	000006C6	000009F2	0	00000000	000006C6	00000000	00000000	F0000000
P07	00000000	00006C60	000009F2	0	00000000	000006C6	00000000	00000000	EF000000
P07	00000000	0006C600	000009F2	0	00000000	000006C6	00000000	00000000	EE000000
P07	00000000	006C6000	000009F2	0	00000000	000006C6	00000000	00000000	ED000000
P07	00000000	00000000	0000027C	0	00000000	00000000	006C6000	00000000	ED000000
P09	00000000	00000000	0000009F	0	00000000	00000000	00D8C000	00000000	ED000000
P10	00000000	00363000	00000027	1	00000000	00000000	00000000	00000000	ED000000
P10	00000000	00008C00	00000009	1	00000000	FFFFFFFF	01939FFF	00000000	ED000000
P10	FFFFFFFF	01E784FF	C0000002	0	00000000	00000000	00000000	00000000	ED00C600
P10	FFFFFFFF	01F9DA6F	C0000000	0	00000000	00000000	0008C000	00000000	ED004200
P10	FFFFFFFF	01C854AF	C0000000	0	00000000	00000000	00D8C000	00000000	ED6C6000
P10	FFFFFFFF	01DF302B	C0000000	0	00000000	00000000	00000000	00000000	ED642000
P11	00000000	0043502C	00000000	0	00000000	00000000	00000000	00000000	ED000000
P12	00000000	0043502C	00000000	0	00000000	00000000	00000000	FFFFFFFF	EDFFFFFF
P13	2043502C	00000000	00000000	0	00000000	00000000	00000000	00000000	ED000000

00056

SIGMA LOGIC SIMULATION, FML, CASE 0027									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P15	2043502C	00000000	00000000	0	00000000	00000000	00000000	00000000	ED000000

00057

SIGMA LOGIC SIMULATION, FML, CASE 0028									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	0000084	0000000	0000000	0	0000000	0000000	0000000	0000000	0000000
P01	C600000	0000000	0000084	0	0000000	0000000	0000000	FF00000	0000000
P02	3900000	0100000	0000084	0	0000000	18FFFFFF	0FFFFFFF	8000000	0000000
P03	0000000	0000000	0000021	0	0100000	0000045	0100000	0000000	0100000
P09	0000000	0000000	0000008	0	0100000	0000000	0000000	0000000	0100000
P10	0000000	0000000	0000002	0	0000000	0000045	0100000	0000000	0100000
P10	0000011	0100000	4000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000004	0100000	5000000	0	0000000	000008A	0000000	0000000	0100000
P10	0000023	0170000	9000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000008	0100000	E000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000002	01F7000	3000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	0100000	8000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	01FF700	2000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	01FFDF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	01FFF70	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	01FFF0F0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	01FFFF7C	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	01FFFFDF	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	0000000	01FFFFF7	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	F000000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	7000000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	DF00000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	F700000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FD00000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FF70000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FF0F000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FFF7000	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FFF0F00	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FFFF700	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FFFF0F0	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000
P10	FFFF700	01FFFFF0	0000000	0	0000000	0000000	0000000	0000000	0100000

00058

SIGMA LOGIC SIMULATION, FML, CASE 0028									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P10	FFFFFFE0	01FFFFFF	0FFFFFFF	0	0FFFFFFF	0000000	0000000	0000000	0100000
P10	FFFFFF7C	01FFFFFF	0FFFFFFF	0	0FFFFFFF	0000000	0000000	0000000	0100000
P11	FFFFFF7C	01FFFFFF	0FFFFFFF	1	0FFFFFFF	FFFFFFFA	0FFFFFFF	0000000	0100000
P12	FFFFFF37	00FFFFFF	0FFFFFFF	1	0FFFFFFF	0000000	0000000	FFFFFFFA	01FFFFFF
P13	11FFFFFF	0000000	0FFFFFFF	1	0FFFFFFF	0000000	0000000	0000000	0100000
P15	11FFFFFF	0000000	0FFFFFFF	1	0FFFFFFF	0000000	0000000	0000000	0100000

00059

SIGMA LOGIC SIMULATION, FML, CASE 0029

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	B5631AF2	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	CC1FC7CF	00000000	B5631AF2	0	00000000	00000000	00000000	FF000000	00000000
P02	33000000	011FC7CF	B5631AF2	0	00000000	3C035A5A	00035A5A	80000000	00000000
P03	00000000	00000000	B5631AF2	0	011FC7CF	7FFFFFFF	01FCA5A5	00000000	EF000000
P06	FFFFFFF0	01CA5A57	B5631AF2	0	011FC7CF	7FFFFFFF	01FCA5A5	00000000	EF000000
P07	00000000	00000000	2D58C6BC	0	011FC7CF	FFFFFFF0	01CA5A57	00000000	EE000000
P09	00000000	00000000	0B5631AF	0	011FC7CF	FFFFFFE0	0194B4AF	00000000	EE000000
P10	FFFFFFF8	01E5202B	0ED58C6B	1	00C7F1F3	00000000	00000000	00000000	EF000000
P10	FFFFFFFE	01F94B4A	0FB5631A	1	00F1FC7C	0000000F	0035A5A8	00000000	EE000000
P10	8FFFFFFC	01F33B88	43FD58C6	1	00FC7F1F	00000000	00000000	00000000	EF188084
P10	2FFFFFFE	01FAECCF	ECFB5631	1	00FF1FC7	0000000F	0035A5A8	00000002	EE080040
P10	CBFFFFFF	01F1D2C9	FF3ED58C	0	00FC7F1F	0000000F	0035A5A8	00000007	EE1C5264
P10	72FFFFFF	01F60941	07CFB563	0	00FF1FC7	FFFFFFE0	0194B4AF	00000007	EE1AE974
P10	A3400006	011E1526	81F3ED58	1	00FFFC7F	00000000	00000000	897FFFFF	EED35482
P10	068FFFFFF	01F55065	1C7CFB56	0	00FFFFFF	0000000F	0035A5A8	50A00001	EE050A11
P10	158BFFFF	01F17FF7	0F1F3ED5	0	00FFFFFF	FFFFFFF0	01CA5A57	80400006	EE1A8C10
P10	1A8D0002	0108696C	AFC7CFB5	0	00FFFFF1	FFFFFFE0	0194B4AF	CAE5FFFA	EEED2D2B
P10	0BE5C006	011C7C3A	37F1F3ED	0	00FFFFFF	FFFFFFF0	01CA5A57	ED76FFF1	EEC61697
P10	865B3001	01040C3E	C1FC7CFB	0	00FFFFFF	FFFFFFF0	01CA5A57	F7BFFFFF	EEF72F09
P10	A397CC02	01CA5A58	7C7F1F3E	1	00FFFFFF	FFFFFFF0	01CA5A57	FBFDFFFF	EEE3070F
P10	29F57302	0108C0C0	9F1FC7CF	1	00FFFFFF	0000000F	0035A5A8	FDFFFFFF	EEF52F2F
P10	F506A33D	01F61291	6FC7F1F3	1	00FFFFFF	0000000F	0035A5A8	14F2B98F	EE12D2D4
P10	787D06AD	01F4507B	EFF1FC7C	1	00FFFFFF	00000000	00000000	0A015084	EE1B4948
P10	DC9F158A	01FBC40C	EFFC7F1F	0	00FFFFFF	00000000	00000000	04C08040	EE0824A4
P10	3627E572	01FCF82A	0FFF1FC7	1	00FFFFFF	FFFFFFF0	01CA5A57	02000001	EE040202
P10	F2F606A0	010CA81F	0FFFC7F1	1	00FFFFFF	0000000F	0035A5A8	1813F2B1	EEE62051
P10	8A797D05	01F7C82D	FFFFFFFC	0	00FFFFFF	00000000	00000000	89090154	EE125684
P10	4C0C1F14	01F967AA	4FFFFFFF	0	00FFFFFF	FFFFFFE0	0194B4AF	44048080	EEF092002
P10	FDC9C81D	01193CC1	AFFFFFFF	1	00FFFFFF	00000000	00000000	26E4FC	EECC9255

00060

SIGMA LOGIC SIMULATION, FML, CASE 0029

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P10	36E9E5F7	01F568A5	6FFFFFFC	1	00FFFFFF	0000000F	0035A5A8	9224240	EF040R20
P10	6933707E	01F1318B	1FFFFFFF	1	00FFFFFF	00000000	00000000	09101200	EF1A9400
P10	D808089F	01FAE956	7FFFFFFC	0	00FFFFFF	00000000	00000000	04880800	EF080840
P10	B7203427	01FCB845	9FFFFFFF	0	00FFFFFF	FFFFFFE0	0194B4AF	00C40400	EE1B4940
P10	9236F3F1	0118C232	0FFFFFFF	0	00FFFFFF	00000000	00000000	0B92141	EEC45A12
P10	12693A78	01F45608	4FFFFFFF	0	00FFFFFF	00000000	00000000	49990900	FF050109
P11	5B724380	01F95711	8FFFFFFF	1	00FFFFFF	0000000F	0035A5A8	00000001	EE000000
P12	5B724390	002EFCB9	8FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF0	EEFFFFFF
P13	2E2EFCB9	00000000	8FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	EE000000
P15	2E2EFCB9	00000000	8FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	EE000000

00061

SIGMA LOGIC SIMULATION, FML, CASE 0030

TIME	A REGISTER	AIRFGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	E9D73A96	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	DAC269A5	00000000	E9D73A96	0	00000000	00000000	00000000	FF000000	00000000
P02	25000000	01C269A5	E9D73A96	0	00000000	384AE768	004AE76B	80000000	00000000
P03	00000000	00000000	3A75CEA5	0	01C269A5	68A40763	01B51894	00000000	00000000
P09	00000000	00000000	0E9D73A9	0	01C269A5	D7480FC6	016A3128	00000000	00000000
P10	35D20381	01DA8C4A	87A75CEA	0	00F09A69	68A40763	01B51894	00000000	00000000
P10	979D8134	0118E537	A5E9D73A	0	00FC269A	68A40763	01B51894	1000019	00C80400
P10	FB3E61F1	01198F68	C97A75CE	0	00FF09A6	D7480EC6	016A3128	09C20093	00CC820A
P10	896D18EB	012FC352	CASE9D73	0	00FFC269	D7480FC6	016A3128	6DA50068	00A45914
P10	8CE00551	01386ADB	4697A75C	1	00FF09A9	D7480EC6	016A3128	66868573	00972888
P10	CF47A388	01315CDE	A9A5E9D7	0	00FFFC26	945BF89C	004AE76B	637002AA	009D1444
P10	4E181663	01F9A8FC	8A697A75	1	00FFFF09	68A40763	01B51894	63A9D15C	000CAA27
P10	D185B017	01100653	069A5E9D	0	00FFFF02	945BF89C	004AE76B	35D488B1	00DED55A
P10	9C02B0CF	01F10D18	B9A697A7	0	00FFFFFF	D7480EC6	016A3128	CAEADCA	002063AD
P10	60681890	012997E7	9269A5E9	1	00FFFFFF	68A40763	01B51894	6F254E67	00B49094
P10	D93A5465	010A07F9	309A697A	0	00FFFFFF	945BF89C	004AE76B	35920731	00DAC84A
P10	1E3CEAF2	01E68A36	2C269A5E	0	00FFFFFF	D7480FC6	016A3128	CARD2A11	00256395
P10	00FE7388	012A762A	BFO9A697	0	00FFFFFF	D7480EC6	016A3128	6F061567	00B3119A
P10	1E2C1A09	013005A6	2FC269A5	1	00FFFFFF	D7480EC6	016A3128	63A70RE3	00951895
P10	EA80C7CA	0130FF06	AFF09A69	0	00FFFFFF	945BF89C	004AE76B	2B960567	009E08D2
P10	D55F4E8D	01F9C42F	00FC269A	0	00FFFFFF	D7480FC6	016A3128	554962E8	000D77A1
P10	950788AB	012790A9	AFF09A66	0	00FFFFFF	68A40763	01B51894	EAA4A768	00B49A94
P10	4535CA2A	010984AA	8FFF0269	0	00FFFFFF	D7480EC6	016A3128	750243B1	00DAC04A
P10	39EBE1D7	012E5F72	5FFFF09A	0	00FFFFFF	D7480FC6	016A3128	2AA82551	00A54215
P10	F102F290	0138A853	2FFFFC26	0	00FFFFFF	68A40763	01B51894	1DF412E	00972918
P10	E1D459C6	01069FB7	2FFFFFC9	0	00FFFFFF	D7480FC6	016A3128	3CD20971	00DA8488
P10	C293AF9C	012D8AC5	6FFFFFF02	0	00FFFFFF	D7480FC6	016A3128	7AF804E8	00A54A54
P10	5BCCF96E	0138B06E	5FFFFFFF0	0	00FFFFFF	68A40763	01B51894	69640768	00968522
P10	16433A53	0106C876	9FFFFFFFC	0	00FFFFFF	D7480EC6	016A3128	35F203B1	00DA4F13
P10	7D3E40CB	012DAD03	0FFFFFFF	0	00FFFFFF	00000000	00000000	0BA10560	00A52419
P10	9DA7D228	01E2272	8FFFFFFF	1	00FFFFFF	00000000	00000000	849002A4	00129208

00062

SIGMA LOGIC SIMULATION, FML, CASE 0030

TIME	A REGISTER	AIRFGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	864DF423	01FC201F	0FFFFFFF	0	00FFFFFF	945BF89C	004AE76B	4240011	00610100
P10	54158368	01EDF22D	0FFFFFFF	0	00FFFFFF	00000000	00000000	4324F300	00241285
P11	973A7874	00120522	1FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	00000000
P12	973A7874	00120522	1FFFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF	0FFFFFFF
P13	1D120522	00000000	1FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	00000000
P15	1D120522	00000000	1FFFFFFF	1	00FFFFFF	00000000	00000000	00000000	00000000

00063

SIGMA LOGIC SIMULATION, FML, CASE 0031									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	136AF5B2	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	160A59C9	00000000	136AF5B2	0	00000000	00000000	00000000	FF000000	00000000
P02	16000000	000A59C9	136AF5B2	0	00000000	44F82DDE	00F82DDE	80000000	00000000
P03	136AF5B2	000A59C9	136AF5B2	0	000A59C9	00000000	00000000	00000000	DA000000
P04	36AF5B20	00A59C91	136AF5B2	0	000A59C9	00000000	00000000	00000000	D9000000
P05	00000000	00000000	04DABD6C	0	000A59C9	AE1A4FE0	00F82DDE	00000000	D9000000
P09	00000000	00000000	0136AF5B	0	000A59C9	5C349FC0	01F058BD	00000000	D9000000
P10	570D27F0	007C16EF	044DABD6	1	00029672	00000000	00000000	00000000	D9000000
P10	D5C349FC	001F05BB	09136AF5	1	0000A59C	51E5B01F	0107D221	00000000	D9000000
P10	A109BE78	01C635E6	C244DABD	0	00002967	51E5B01F	0107D221	A8E0800F	D9038010
P10	D603239A	013099F5	4C9136AF	0	00000A59	5C349FC0	01F058BD	5CF0D80F	D983C810
P10	36B1D915	0190C296	77244DAB	1	00000296	AE1A4FE0	00F82DDE	AA184DC5	D9D86CDA
P10	8CACF6CC	01EC20E4	19C9136A	1	000000A5	51E5B01F	0107D221	570C26E8	D96C366F
P10	A291580C	0121F12A	667244DA	1	00000029	00000000	00000000	AAD65B67	D9B61932
P10	0211C0DA	01E5FA06	E59C9136	1	0000000A	51E5B01F	0107D221	51482C03	D9100A91
P10	80AF1731	013C882D	F967244D	1	00000002	51E5B01F	0107D221	ABA0D000	D982E0C0
P10	1E7A9DC8	012F60C3	CA59C913	0	00000000	51E5B01F	0107D221	C052C801	D9836410
P10	A3F37976	012AB6FC	72967244	1	00000000	5C349FC0	01F058BD	A8394C07	D9838200
P10	55FFAAAC	019657D0	70A59C91	0	00000000	51E5B01F	0107D221	5418AEA3	D9D1595E
P10	D400AD04	0110372R	10296724	0	00000000	AE1A4FE0	00F82DDE	2AFED557	D9CBA9A8
P10	54390DEC	01C8ECD7	F0CA59C9	0	00000000	AE1A4FE0	00F82DDE	570066A2	D96C16D5
P10	2B4B892B	01D735F7	B0C29672	0	00000000	00000000	00000000	AB0CA7F1	D974166B
P10	2011CBB6	01E8CRF7	E00CA59C	0	00000000	AE1A4FE0	00F82DDE	95844071	D92A0A31
P10	06E3F131	01CEBRC2	B0C02967	0	00000000	5C349FC0	01F058BD	D20825D3	D974047B
P10	2237D2CA	0192B901	6000CA59	1	00000000	00000000	00000000	AB1C5AE7	D9FA0DFD
P10	2249F208	01DA203F	90C00296	0	00000000	51E5B01F	0107D221	91082963	D9490480
P10	B8A91EDC	01253FE7	E0C00CA5	0	00000000	5C349FC0	01F058BD	88A4D006	D9A58210
P10	9BCE5446	019C39D2	80C00029	0	00000000	5C349FC0	01F058BD	CC524F67	D9D28D5A
P10	42DA2139	01AFBRCD	300000CA	0	00000000	AE1A4FE0	00F82DDE	6F0B2FA1	D9E80CED

00064

SIGMA LOGIC SIMULATION, FML, CASE 0031									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P10	A0B2D05F	01FFE6FF	00000002	0	00000000	AE1A4FE0	00F82DDE	B70D17D0	D97416E6
P10	EE69621B	0128F761	A0000000	0	00000000	5C349FC0	01F058BD	530D20E0	D97E137F
P10	F854358C	0195AFE8	E0000000	0	00000000	5C349FC0	01F058BD	AF1695E4	D9FC299E
P10	C2DD8FEA	01A6777A	30000000	0	00000000	00000000	00000000	7E0A4AE0	D9FA15DE
P11	40F7DACC	00A08059	30000000	0	00000000	00000000	00000000	00000000	D9000000
P12	40F7DACC	00A08059	30000000	0	00000000	00000000	00000000	FFFFFFF	D9FFFFFF
P13	19A08059	00000000	30000000	0	00000000	00000000	00000000	00000000	D9000000
P15	19A08059	00000000	30000000	0	00000000	00000000	00000000	00000000	D9000000

00065

SIGMA LOGIC SIMULATION, FML, CASE 0032

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	37DA99F6	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	26C9AAD5	00000000	37DA99F6	0	00000000	00000000	00000000	FF000000	00000000
P02	26000000	00C9AAD5	37DA99F6	0	00000000	36B897C4	00B897C4	80000000	00000000
P03	00000000	00000000	0DF6A679	0	00C9AAD5	04A766B3	00B897C4	00000000	0C000000
P09	00000000	00000000	037DA99E	0	00C9AAD5	094ECD66	01712F88	00000000	0C000000
P10	0253B359	005C4PE2	84CF6A67	0	00326AB5	04A766B3	00B897C4	00000000	0C000000
P10	81BD357A	00393709	A537DA99	1	000C9AAD	094ECD66	01712F88	00019100	0C0C01F0
P10	623C9A45	00510A58	054DF6A6	0	000326AB	FB58994C	0147683B	0086CAB5	0C1C93C4
P10	E678E26F	01C2BF69	10537DA9	0	0000C9AA	094ECD66	01712F88	310E4020	0C2A812C
P10	778EQCA	01A64473	F854DF6A	0	0000326A	094ECD66	01712F88	10A766B3	0CB15794
P10	DB99E9D7	01998F1B	FAD537DA	0	0000C9A	04A766B3	00B897C4	02C72651	0CD8A3C8
P10	F5FE6A4D	01FF6FC5	7AB540F6	0	00000326	094ECD66	01712F88	0443B360	0C4C43F4
P10	7E3CC510	0180CCAA	BAAD537D	0	000000C9	094ECD66	01712F88	024775B0	0CB837F2
P10	1D755F70	019FF630	06AB54DF	0	00000032	094ECD66	01712F88	05176290	0CD81305
P10	444B3C23	018DE298	59AAD537	1	0000000C	04A766B3	00B897C4	06ABA7B0	0CFC9FC8
P10	0191FF4A	01F66FA5	526AB54D	1	00000003	FB58994C	0147683B	02559350	0C5649F4
P10	8A273D57	0139C39E	FC9AAD53	0	00000000	00000000	00000000	E9A8C0A0	0CA834D2
P10	18E3FC3C	01E480D3	C326AB54	1	00000000	094FCF66	01712F88	44100680	0C148849
P10	956F4DF6	01A04784	00C9AAD5	0	00000000	FB58994C	0147683B	84216610	0CBA54E4
P10	FAR5ACAA	01175FD6	50326AB5	0	00000000	04A766B3	00B897C4	4AB4A6A	0CD12252
P10	2D259B2C	010FBADD	A0CC9AAD	0	00000000	04A766B3	00B897C4	2552D350	0C488868
P10	C334CB32	01CBL09F	80C326AB	0	00000000	04A766B3	00B897C4	1293E990	0C6C4DE0
P10	F54C2126	01C7CCEE	D0CC9AA	1	00000000	04A766B3	00B897C4	0158B5D0	0C7466E2
P10	3C2F3C93	01C2CF72	00C0326A	1	00000000	FB58994C	0147683B	02A192D0	0C7A6373
P10	B1758DC1	013FF10F	B0C0CC9A	1	00000000	FB58994C	0147683B	9D14CC60	0CA13599
P10	35CF7638	01366223	50C00326	1	00000000	FB58994C	0147683B	0CA446A0	0C93B890
P10	448F2A74	0138AFF1	30C000C9	1	00000000	FB58994C	0147683B	FEE52310	0C89B410
P10	004CA60B	013D1CF1	30C000C9	0	00000000	FB58994C	0147683B	FF6695AA	0C85D61C
P10	B51CAARB	013FE8A5	70C000C9	0	00000000	094ECD66	01712F88	FD464480	0C82AE1C
P10	507DCB56	01B31A4C	20C000C9	0	00000000	094FCF66	01712F88	5E476550	0C99D746
P10	81ED28D8	0196FA0	E0C000C9	1	00000000	00000000	00000000	2C27A6A0	0CD88FA6

00066

SIGMA LOGIC SIMULATION, FML, CASE 0032

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	A372A39C	01D39DC1	F0C00000	0	00000000	FB58994C	0147683B	00129040	0C484450
P10	940E2AA5	01372C6A	30C00000	0	00000000	00C00000	00000000	D5A948A0	0CA1A628
P11	69B7734B	01D8D293	70C00000	0	00000000	04A766B3	00B897C4	00000000	0C000000
P12	6E5ED9FE	00916A57	70C00000	0	00000000	00000000	00000000	FFFFFFFF	0CFFFFFF
P13	1C916A57	00000000	70C00000	0	00000000	00000000	00000000	00000000	0C000000
P15	1C916A57	00000000	70C00000	0	00000000	00000000	00000000	00000000	0C000000

00067

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0033									
	A REGISTER	A:REGISTER	B REGISTER	BC31	B:REGISTER	D REGISTER	D:REGISTER	CS REGISTER	CS:REGISTER	
PPR	8508753F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000	
P01	5A0DC619	00000000	8508753F	0	00000000	00000000	00000000	FF000000	00000000	
P02	5A000000	000DC619	8508753F	0	00000000	20ADD84E	00ADD84E	80000000	00000000	
P03	8508753F	000DC619	8508753F	0	000DC619	00000000	00000000	00000000	FA000000	
P04	508753F0	00DC6198	8508753F	0	00DC619	00000000	00000000	00000000	F9000000	
P05	00000000	00000000	21421D4F	1	00DC619	4A1FEA60	00ADD84E	00000000	F9000000	
P09	00000000	00000000	08508753	1	00DC619	B5E0159F	C15227B1	00000000	F9000000	
P10	60780567	010489EC	C61421D4	1	0037186	00000000	00000000	00000000	F9000000	
P10	1B5E0159	01F5227B	C9850875	0	0000DC61	00000000	00000000	00000000	F9000000	
P10	C6078056	01F489E	4661421D	0	00003718	4A1FEA60	00ADD84E	00000000	F9000000	
P10	23321A8D	01D42434	A1985087	0	00000DC6	4A1FEA60	00ADD84E	210BC021	F956A407	
P10	52098C33	01CRD61F	68661421	1	00000371	4A1FEA60	00ADD84E	11ADE511	F96A5203	
P10	8266E0D0	01C31714	D6198508	0	000000DC	B5E0159F	C15227B1	A906F618	F975E907	
P10	A7A000D5	01393668	F1866142	0	00000037	943FD4C0	C15BB09C	00000000	00000000	
P10	B8CB2B96	01R2C55F	4C619850	0	00000000	00000000	00000000	4A59A862	F990938A	
P10	FCA4ACFD	01CB8706	27186614	0	00000003	943FD4C0	C15BB09C	04249401	F94860A2	
P10	1B2FF80F	01R615CE	0DC61985	0	00000000	00000000	00000000	4A12446	F9A5D043	
P10	544F6C9B	01C4F163	E3718661	0	00000000	00000000	00000000	0501240	F9520821	
P10	94539226	01F5BFF0	F0DC6198	0	00000000	4A1FEA60	00ADD84E	8200920	F9200010	
P10	97133A91	01DA1983	B0371866	0	00000000	4A1FEA60	00ADD84E	4109C91	F952CC28	
P10	67014678	01C94379	60DC619	0	00000000	00000000	00000000	218DF50	F9606C05	
P10	11A32CDC	01E908DF	10037186	0	00000000	943FD4C0	C15BB09C	90ACA00	F924A000	
P10	C5471686	01A58600	0000DC61	0	00000000	4A1FEA60	00ADD84E	4851D26	F9B4D04E	
P10	31C24BA1	01EF23E4	00003718	0	00000000	943FD4C0	C15BB09C	2428E93	F952E87	
P10	E0759094	01B99FC3	0000DC6	0	00000000	4A1FEA60	00ADD84E	1A15F40	F9ADD00A	
P10	EC1FE4C9	01EE65B5	20C00371	0	00000000	00000000	00000000	250AF66	F956EC25	
P10	324544A8	01EE2264	400000DC	0	00000000	943FD4C0	C15BB09C	9205722	F9233212	
P10	8D1FF893	01A5A83A	10C00037	0	00000000	4A1FEA60	00ADD84E	4902AA5	F9B5990A	
P10	A380AE28	01EF7A5F	C0000000	1	00000000	00000000	00000000	248FF52	F952CC05	

00068

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0033									
	A REGISTER	A:REGISTER	B REGISTER	BC31	B:REGISTER	D REGISTER	D:REGISTER	CS REGISTER	CS:REGISTER	
P10	A1C3D6C0	01FF6796	30000003	0	00000000	B5E0159F	C15227B1	97405214	F9212432	
P10	6118E452	01271889	00000000	1	00000000	943FD4C0	C15BB09C	58E0284	F9A192C9	
P10	2B71C6F6	01B34F77	00000000	0	00000000	B5E0159F	C15227B1	A81C722	F999C944	
P10	8DA36852	011F2820	10000000	0	00000000	00000000	00000000	D48A2B5	F9C9A78A	
P11	625B93AD	01E7CF0B	00000000	0	00000000	4A1FEA60	00ADD84E	00000000	F9000000	
P12	AC7B7E0D	0095A829	00000000	0	00000000	00000000	00000000	FFFFFFFF	F3FFFFFF	
P13	3995A829	00000000	00000000	0	00000000	00000000	00000000	00000000	F9000000	
P15	3995A829	00000000	00000000	0	00000000	00000000	00000000	00000000	F9000000	

00069

SIGMA LOGIC SIMULATION, FML, CASE 0034									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	4C798B51	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	43043218	00000000	4C798B51	0	00000000	00000000	00000000	FF000000	00000000
P02	43000000	00043218	4C798B51	0	00000000	2B5FA631	005FA631	80000000	00000000
P03	4C798B51	00043218	4C798B51	0	00043218	00000000	00000000	00000000	EF000000
P04	C798B510	00432184	4C798B51	0	00043218	00000000	00000000	00000000	ED000000
P05	00000000	00000000	131E62D4	0	00043218	5DAB9C62	005FA631	00000000	ED000000
P09	00000000	00000000	04C798B5	0	00043218	5DAB9C62	005FA631	00000000	ED000000
P10	576AE718	0017E98C	8131E62D	0	00010C86	00000000	00000000	00000000	ED000000
P10	15DAB9C6	0005FA63	284C798B	0	00004321	5DAB9C62	005FA631	00000000	ED000000
P10	921C4969	00169714	06131E62	1	000010C8	5DAB9C62	005FA631	8AC54C21	ED02D110
P10	515CA64A	0012FRCD	8184C798	1	00000432	A254639D	01A059CE	4D46A630	ED0B4B88
P10	EF9398F9	01EF7A92	C86131E6	0	0000010C	A254639D	01A059CE	20AA530C	ED012CC6
P10	9B5B6A1A	0113C3E6	12184C79	0	00000043	5DAB9C62	005FA631	514929CF	EDD03C63
P10	25EE77ED	01E71A6D	8CR6131E	0	00000010	BB5738C4	00BF4C62	ACA5942F	ED290331
P10	8C8736C3	01DC624F	332184C7	0	00000004	5DAB9C62	005FA631	D6F39A70	ED57AB30
P10	81F7CC34	01F51DD3	E0C86131	1	00000001	BB5738C4	00BF4C62	EE51CF31	ED2FD118
P10	753C4EFG	01D961AA	7432184C	0	00000000	A254639D	01A059CE	55ABF61A	ED5FACA9
P10	60B0F2DD	0109A533	01CC8613	0	00000000	BB5738C4	00BF4C62	3A9E33AC	ED5C84D5
P10	385E7E55	01D69761	40432184	1	00000000	00000000	00000000	9D4B1966	ED56D739
P10	294559C	01E01156	E010C861	0	00000000	A254639D	01A059CE	8C750C2F	ED2B4910
P10	01C0C09C	011AC062	F0043218	0	00000000	5DAB9C62	005FA631	5422A4C6	EDD02CAB
P10	02110C4E	01E557BE	00010C86	0	00000000	5DAB9C62	005FA631	AA05C663	EDD05211
P10	BD5BD503	01E5E9A7	00004321	0	00000000	00000000	00000000	8548C631	ED36A918
P10	CE04C4F8	01F4D02F	800010C8	0	00000000	BB5738C4	00BF4C62	42A46203	ED1254A0
P10	4DFDE78D	01D67233	00000432	0	00000000	5DAB9C62	005FA631	65023064	ED5B2A11
P10	DD5512E2	01F4BF84	D000010C	0	00000000	00000000	00000000	A6D5DA3F	ED2F911A
P10	1EE03234	01F6CBA7	30000C43	0	00000000	BB5738C4	00BF4C62	422A8911	ED124880
P10	79E760F8	01D6F3D1	40000010	1	00000000	00000000	00000000	0D311C0A	ED5B2451
P10	1D359F3C	01E375E0	90000004	0	00000000	A254639D	01A059CE	84908004	ED291028

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SIGMA LOGIC SIMULATION, FML, CASE 0034									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P10	8EFC5F29	011A8F01	60000001	0	00000000	5DAB9C62	005FA631	420A418A	EDD0A8F4
P10	245760B1	01E56071	60000000	0	00000000	00000000	00000000	A7552E9A	ED2D5718
P10	60C09389	01F207DA	10000000	0	00000000	5DAB9C62	005FA631	122A9744	ED12A008
P10	CB0C67F8	01FFC2F8	E0000000	0	00000000	00000000	00000000	28554324	ED29520C
P11	F425B00C	00191504	E0000000	0	00000000	00000000	00000000	00000000	ED000000
P12	F425B00C	00191504	E0000000	0	00000000	00000000	00000000	FFFFFFFF	EDFFFFFFFF
P13	2D191504	00000000	E0000000	0	00000000	00000000	00000000	00000000	ED000000
P15	2D191504	00000000	E0000000	0	00000000	00000000	00000000	00000000	ED000000

00071

SIGMA LOGIC SIMULATION, FML CASE 0035

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	E48DDF82	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	3B667A40	00000000	E48DDF82	0	00000000	00000000	00000000	FF000000	00000000
P02	3B000000	00667A40	E48DDF82	0	00000000	1966528C	0066528C	80000000	00000000
P03	00000000	00000000	392377E0	0	00667A40	916C00A5	0199AD73	FFFFFFF	D4FFFFFF
P09	00000000	00000000	0E48DDF8	0	00667A40	DD265FB5	00CCA518	00000000	D4000000
P10	374997AD	00332946	4392377E	0	00199E90	00000000	00000000	00000000	D4000000
P10	8DD265EB	00000000	60F48DDF	0	000667A4	00000000	00000000	00000000	D4000000
P10	6374997A	00033294	00392377	1	000199E9	DD265EB5	00CCA518	00000000	D4000000
P10	2F94B1F3	0033E5E3	F4CE48DD	1	0000667A	916C00A5	0199AD73	20920C18	D4001008
P10	279A9B53	01EA9A26	89C39237	0	0000199E	00000000	00000000	90CA4858	D408D2B1
P10	EDD434C2	01F89125	DA40E48D	1	00000667	DD265FB5	00CCA518	00450420	D4044910
P10	4C2DDB97	01CC1F4B	CE903923	0	00000199	916C00A5	0199AD73	66A20A50	D4664088
P10	2EF80C58	010CFCAC	97A40E48	1	00000066	DD265EB5	00CCA518	A216674A	D4E606A5
P10	54723CE9	01C997C4	09E90392	0	00000019	916C00A5	0199AD73	57182620	D4665256
P10	64817298	010D9A38	167A40E4	0	00000006	6E932F5A	0066528C	2ABD1A56	D4E4CBAB
P10	C82BD1E5	01F30CC7	399E9039	0	00000001	DD265EB5	00CCA518	37489D20	D4326D54
P10	C891449F	01C74222	5667A40E	0	00000000	00000000	00000000	6E956FD0	D47172AA
P10	29810A93	01ED8C22	4199E903	0	00000000	6E932F5A	0066528C	2448A249	D420A111
P10	D8D6A1E0	01EADFEF	20667A40	1	00000000	DD265FB5	00CCA518	16409520	D4324000
P10	C4EC1A9E	01C5CFBD	30199E90	0	00000000	916C00A5	0199AD73	6F234AD0	D4756284
P10	8EF8E03A	01DA7052	700667A4	0	00000000	6E932F5A	0066528C	E2362043	D4EA975A
P10	0093785A	01E1AD61	00C199E9	0	00000000	00000000	00000000	775916A0	D4352920
P10	1DF29B89	01F52113	00C0667A	0	00000000	00000000	00000000	80088844	D4109490
P10	E77E84F3	01F96760	4000199E	0	00000000	6E932F5A	0066528C	00004400	D4080008
P10	227B7BEA	01E5CFF9	60000667	0	00000000	DD265EB5	00CCA518	33090220	D4342004
P10	731509DD	01C752B9	A0000199	1	00000000	DD265EB5	00CCA518	1995AD54	D472528C
P10	6DE9BE8F	01FE694B	10000066	0	00000000	916C00A5	0199AD73	2C8A86E0	D463294C
P10	34C3FA30	0109385D	00000019	0	00000000	DD265EB5	00CCA518	96F44B57	D4FD94A5
P10	1FF47BF4	01CA02E8	80000006	0	00000000	DD265EB5	00CCA518	CA13201A	D466DA8E
P10	823C4216	01C81F4B	00000001	0	00000000	6E932F5A	0066528C	6F9B3FD0	D467414C
P10	E0CF14A5	01F64322	90000000	0	00000000	DD265EB5	00CCA518	374997A0	D43329A6

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SIGMA LOGIC SIMULATION, FML CASE 0035

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	02A8776F	01C273E7	40000000	0	00000000	6F932F5A	0066528C	7AA70B50	D47B1091
P10	85A714D9	01F7CC7E	00000000	0	00000000	00000000	00000000	855197A0	D4312942
P11	3AF8AC87	00P8F5C1	50000000	0	00000000	00000000	00000000	00000000	D4000000
P12	3AF8AC87	00P8F5C1	50000000	0	00000000	00000000	00000000	FFFFFFF	D4FFFFFF
P13	14D70A3E	00000000	50000000	0	00000000	00000000	00000000	FF000000	D4000000
P15	EBD70A3E	00000000	50000000	0	00000000	00000000	00000000	00000000	D4000000

00073

SIGMA LOGIC SIMULATION, FML, CASE 0036									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	BF6125A3	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	53AEF1A4	00000000	BF6125A3	0	00000000	00000000	00000000	FF000000	00000000
P02	53000000	00AEF1A4	BF6125A3	0	00000000	0CA87FA7	00A87FA7	80000000	00000000
P03	00000000	00000000	2FD84968	1	00AEF1A4	81234034	01578058	FFFFFFF	DDFFFFFF
P09	00000000	00000000	CBF6125A	0	00AEF1A4	81234034	01578058	00000000	DF000000
P10	2048D00D	01D5F016	02FD8496	0	002B8C69	7EDCBFCB	00A87FA7	00000000	DF000000
P10	57A51BF1	01DF67EC	84BF6125	0	000AEF1A	FDB97F97	0150FF4E	10244804	DF403003
P10	6E8E0B18	01B3EA28	992FDR49	0	0002B8C6	FDB97F97	0150FF4E	2AD2ADCA	DF4838A7
P10	6E797651	0192CBB0	6A4BF612	0	0000AEF1	7EDCBFCB	00A87FA7	374D17C0	DFD87D97
P10	09FA3795	01F8B260	F692FD84	0	00002B8C	7EDCBFCB	00A87FA7	8F2E9BE4	DF4C3FDB
P10	320204EE	01C73C87	A1A4BF61	0	00000AEF	FDB97F97	0150FF4E	9FF5F5F2	DF741FF1
P10	14110926	01B8F70E	EC692FD8	0	000002B8	00000000	00000000	DFDDAFF3	DFAA1FE3
P10	72F329B5	01C4BA3B	5F1A4EF6	0	000000AE	7EDCBFCB	00A87FA7	0A088491	DF540B81
P10	4189C4BB	01CE3387	EBC692FD	0	0000002B	00000000	00000000	BD6C56C0	DF621DD1
P10	BF39649C	01EB0995	EEF1A43F	0	0000000A	FDB97F97	0150FF4E	80842244	DF2108C0
P10	F0810E53	01A6BF06	C3BC692F	1	00000002	7EDCBFCB	00A87FA7	5EDCB34A	DF8085F2
P10	F4P040B4	01EF9150	9AEF1A4B	1	00000000	81234034	01578058	3F6E5FA0	DF505FD3
P10	D29B57C9	013A13B6	62B8C692	1	00000000	00000000	00000000	5A912054	DFABC8A8
P10	A2029DE4	01E476C7	EGAEF1A4	1	00000000	00000000	00000000	29488024	DF150050
P10	E2D28770	01FC50A5	302B8C69	0	00000000	81234034	01578058	100C4012	DF020020
P10	5CFC6105	012A7777	80CAEF1A	0	00000000	7EDCBFCB	00A87FA7	40D12019	DFAB0010
P10	18887F81	01CA4230	A002B8C6	0	00000000	7EDCBFCB	00A87FA7	AF6E10E0	DF553898
P10	320EB429	01CDC183	9000AEF1	0	00000000	FDB97F97	0150FF4E	9F661FE4	DF643DD9
P10	14347516	01BE40C5	A0002B8C	0	00000000	FDB97F97	0150FF4E	DF971FDB	DF427FE5
P10	8D868554	0193305H	E0000AEF	0	00000000	7EDCBFCB	00A87FA7	EEDABFC0	DFD93F62
P10	876C2155	01F89C27	100002B8	1	00000000	00000000	00000000	F78F5FF5	DF4C9FB1
P10	9C03CFAC	01ED00E5	000000AE	1	00000000	81234034	01578058	C3B00CA7	DF244F10
P10	77A427CE	0127B3AB	B000002B	1	00000000	00000000	00000000	4091A750	DFB28028
P10	CD0D61E7	01E54CE0	2000000A	1	00000000	81234034	01578058	20401021	DF114014
P10	1B2E8C7C	0128E32B	80000002	1	00000000	00000000	00000000	40A0A010	DFAA0028
P10	D6E2CB1B	01E090C0	80000000	1	00000000	81234034	01578058	00104000	DF145014

00074

SIGMA LOGIC SIMULATION, FML, CASE 0036									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P10	15F472C9	0128D023	F0000000	0	00000000	81234034	01578058	40112000	DFAA4828
P10	F53184B0	01354614	70000000	0	00000000	00000000	00000000	0098B006	DF956014
P11	F5CA34C2	01CAA628	70000000	0	00000000	7EDCBFCB	00A87FA7	00000000	DF000000
P12	74A6F48E	007325D0	70000000	0	00000000	00000000	00000000	FFFFFFF	DDFFFFFF
P13	1FRCDARF	00000000	70000000	0	00000000	00000000	00000000	FF000000	DF000000
P15	EORCDARF	00000000	70000000	0	00000000	00000000	00000000	00000000	DF000000

00075

SIGMA LOGIC SIMULATION, FML, CASE 0037									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	E9D369A7	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	DBC25A96	00000000	E9D369A7	0	00000000	00000000	00000000	FFC00000	00000000
P02	24000000	01C25A96	E9D369A7	0	00000000	364EB87A	004EB87A	80000000	00000000
P03	00000000	00000000	3A74DA69	1	01C25A96	86A03674	01B14785	00000000	DA000000
P09	00000000	00000000	0E9D369A	0	01C25A96	495FC988	004EB87A	00000000	DA000000
P10	9257F262	0013AF1E	CBA74DA6	0	00F096A5	6D406CE8	01628F0B	00000000	DA000000
P10	7FC5E7A2	01DC4845	86E9D369	0	00FC25A9	6D406CE8	01628F0B	00203030	DA014705
P10	C4A96EDE	012F0012	B5BA74DA	0	00FF096A	6D406CE8	01628F0B	B6A03250	DA002782
P10	C7D24C19	013B5226	A96E9D36	0	00FFC25A	B6A03674	01B14785	72503760	DA915381
P10	80C89340	0106D188	6A5BA74D	0	00FFFF096	6D406CE8	01628F0B	FB681B3E	DA08A9C2
P10	45B83925	012F30D0	9A96E9D3	0	00FFFFC25	6D406CE8	01628F0B	74A400B4	DA0144C5
P10	9717161E	013B3D87	66A5BA74	1	00FFFF09	B6A03674	01B14785	B2D016D2	DA9186E0
P10	A409CDAE	0106FF38	15A96E9D	0	00FFFFFFC2	495FC988	004EB87A	DB480B20	DA0883C2
P10	0DB383C3	01E43120	896A5BA7	0	00FFFFFF09	B6A03674	01B14785	64ACE4D5	DA275DBD
P10	37EFD458	011C8AC6	925A96E9	1	00FFFFFFC2	B6A03674	01B14785	9250536A	DA02AAD2
P10	44C7EC51	011FD9E4	9096A5BA	0	00FFFFFF09	495FC988	004EB87A	5B70293C	DAC84563
P10	55BAC389	01F6493F	BC25A96E	0	00FFFFFFF	6D406CE8	01628F0B	24BF48E	DA276CB1
P10	471466F7	0128EAA1	5F096A5B	0	00FFFFFFF	6D406CE8	01628F0B	B2053254	DA83269D
P10	E6204E12	013E50CD	EFC25A96	1	00FFFFFFF	6D406CE8	01628F0B	B3AA337A	DA915744
P10	8E328460	01336220	3FF096A5	1	00FFFFFFF	495FC988	004EB87A	F3903730	DA992BA6
P10	0D3F5E85	01F93C7F	8FFC25A9	0	00FFFFFFF	495FC988	004EB87A	65894294	DA009511
P10	087A756A	01EE8445	9FFF096A	0	00FFFFFFF	6D406CE8	01628F0B	A68FA543	DA260E3D
P10	F0ED6F32	012AB55C	2FFFFC25A	0	00FFFFFFF	B6A03674	01E14785	962532B5	DAB34706
P10	F41A1AFC	010A2077	0FFFF096	0	00FFFFFFF	6D406CE8	01628F0B	5B529314	DA09A382
P10	B0823B43	012C407F	BFFFFFFC25	0	00FFFFFFF	6D406CE8	01628F0B	BEA90D7C	DA055781
P10	58DAD685	013AE63D	FFFFFFC09	0	00FFFFFFF	6D406CE8	01628F0B	DE4C1684	DA922355
P10	FAF6A83A	013297AC	7FFFFFFC2	0	00FFFFFFF	B6A03674	01B14785	AE202954	DA995386
P10	F89DAD85	0106A1A8	1FFFFFFC0	0	00FFFFFFF	B6A03674	01E14785	5F5C158E	DA08A9C2
P10	045B6393	011BD3FB	0FFFFFFC0	0	00FFFFFFF	6D406CE8	01628F0B	FF481AD4	DAC850C1
P10	6594C568	012C43CC	6FFFFFFF	0	00FFFFFFF	00000000	00000000	B6A43560	DA1569E5
P10	74CC3C01	01F24ABA	5FFFFFFF	1	00FFFFFFF	00000000	00000000	124202B4	DA122082

00076

SIGMA LOGIC SIMULATION, FML, CASE 0037									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	19A38FA0	01FC1A8E	5FFFFFFF	0	00FFFFFFF	495FC988	004EB87A	08200000	DA010041
P10	56371189	01ECE7AD	9FFFFFFF	0	00FFFFFFF	00000000	00000000	0491C4C4	DA260C25
P11	5AC8D64E	0012F4D2	5FFFFFFF	1	00FFFFFFF	00000000	00000000	00000000	DA000000
P12	5AC8D64E	0012F4D2	5FFFFFFF	1	00FFFFFFF	00000000	00000000	FFFFFFF0	DAFFFFFF
P13	1A12F4D2	00000000	5FFFFFFF	1	00FFFFFFF	00000000	00000000	00000000	DA000000
P15	1A12F4D2	00000000	5FFFFFFF	1	00FFFFFFF	00000000	00000000	00000000	DA000000

00077

SIGMA LOGIC SIMULATION, FML, CASE 0038									
TIME	A REGISTER	A:REGISTER	B REGISTER	BC31	B:REGISTER	D REGISTER	D:REGISTER	CS REGISTER	CS:REGISTER
PPR	3708F585	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1C0596DA	00000000	37C8F585	0	00000000	00000000	00000000	FF000000	00000000
P02	1C000000	000596DA	37C8F585	0	00000000	4DF2E8D8	00F2E8D8	80000000	00000000
P03	3708F585	000596DA	37C8F585	0	000596DA	00000000	00000000	00000000	E9000000
P04	708F5850	00596DA3	3708F585	0	000596DA	00000000	00000000	00000000	E8000000
P05	00000000	00000000	0DC23D61	0	000596DA	6E140AFA	00F2E8D8	00000000	E8000000
P09	00000000	00000000	03708F58	0	000596DA	6E140AFA	00F2E8D8	00000000	E8000000
P10	1885028E	003C8A36	88DC23D6	0	000165B6	6E140AFA	00F2E8D8	00000000	E8000000
P10	9D644211	003394BB	2A37C8F5	0	0000596D	00000000	00000000	05020150	E8185408
P10	E61990D3	000AF02C	068DC23D	0	0000165B	DC2815F4	01E5D180	02800000	E808A0A4
P10	0E2C614B	0079CAE6	EDA37C8F	0	00000596	6E140AFA	00F2E8D8	63040860	E8046812
P10	00CF18F6	0023D28B	7868DC23	1	00000165	6E140AFA	00F2E8D8	37020435	E8387469
P10	9676458E	003A538E	56DA3708	1	00000059	91EBF505	010D1727	93030470	E8197864
P10	6527AD3C	01CR8F33	15B68DC2	0	00000016	00000000	00000000	49B1A287	E80CA993
P10	082583EE	01F1C9A8	F96DA370	0	00000005	6E140AFA	00F2E8D8	A090D002	E8044489
P10	71685645	01C1D97E	B65868DC	0	00000001	DC2815F4	01E5D180	150A4170	E8786444
P10	AE1280B1	01971822	2596DA37	0	00000000	00000000	00000000	2A942ABA	ERF0E8BA
P10	2121AA82	01D9FCE6	E165B68D	1	00000000	00000000	00000000	15080050	ER480411
P10	CD0A6AB6	01E47E3D	80596DA3	0	00000000	91EBF505	010D1727	00800000	ER240200
P10	971867EC	01335AC6	EC165B68	1	00000000	DC2815F4	01E5D180	CC053000	ER920B12
P10	22FD5C86	C1912019	800596DA	0	00000000	91EBF505	010D1727	6A041AF0	ERD9ADC9
P10	F644AFDC	011166BD	70C165B6	0	00000000	6E140AFA	00F2E8D8	9176A880	ERCC9284
P10	42498359	01CRC738	6000596D	0	00000000	DC2815F4	01E5D180	7B2A5560	ER68714E
P10	8952FC0F	019199F1	1000165B	0	00000000	DC2815F4	01E5D180	2D140A8E	ERF4E89C
P10	5218BBEE	01A02837	A0000596	1	00000000	6E140AFA	00F2E8D8	5E88087A	ERFAE0D9
P10	08A1EE5B	01FAC00D	A0000165	1	00000000	91EBF505	010D1727	2F0C0570	ER879746C
P10	99918788	01279A11	E0000059	0	00000000	91EBF505	010D1727	CCD4F2AF	ERB48B96
P10	312BA008	C12781A8	E0000016	0	00000000	DC2815F4	01E5D180	CCE8F8C6	ER92CD88
P10	C87AD38E	C1942764	90000005	0	00000000	6E140AFA	00F2E8D8	6E1458E0	ERD3E0D4

00078

SIGMA LOGIC SIMULATION, FML, CASE 0038									
TIME	A REGISTER	A:REGISTER	B REGISTER	BC31	B:REGISTER	D REGISTER	D:REGISTER	CS REGISTER	CS:REGISTER
P10	321EAD65	01ED48DA	B0000001	0	00000000	DC2815F4	01E5D180	370A2070	ER69706A
P10	364F2639	01987A80	20000000	0	00000000	6E140AFA	00F2E8D8	1B0512BA	ERF6A8FD
P10	50D78F9F	01E70EA9	60000000	0	00000000	6E140AFA	00F2E8D8	1F028150	ER79746C
P10	4870410E	01DB2487	50000000	0	00000000	00000000	00000000	2F0B43EF	ER79B674
P11	777B86FD	0054DAFB	50000000	0	00000000	00000000	00000000	00000000	ER000000
P12	777B86FD	0054DAFB	50000000	0	00000000	00000000	00000000	FFFFFFFF	ERFFFFFFFF
P13	2854DAFB	00000000	50000000	0	00000000	00000000	00000000	00000000	ER000000
P15	2854DAFB	00000000	50000000	0	00000000	00000000	00000000	00000000	ER000000

00079

SIGMA LOGIC SIMULATION, FML CASE 0039									
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER
PPR	DFA08A94	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	13048243	00000000	DFA08A94	0	00000000	00000000	00000000	FF000000	00000000
P02	13000000	00048243	DFA08A94	0	00000000	5A90CDE4	0090CDE4	80000000	00000000
P03	DFA08A94	00048243	DFA08A94	0	00048243	00000000	00000000	00000000	ED000000
P04	FA08A940	0048243D	DFA08A94	0	00048243	00000000	00000000	00000000	EC000000
P05	00000000	00000000	37E822A5	0	00048243	9ACB652D	016F321B	FFFFFFFF	ECFFFFFFFF
P09	00000000	00000000	0DFA08A9	0	00048243	00000000	00000000	00000000	EC000000
P10	00000000	00000000	CF7E822A	0	00112090	65349AD2	0090CDE4	00000000	EC000000
P10	194D26B4	00243379	83DFAC8A	0	00004824	65349AD2	0090CDE4	00000000	EC000000
P10	5F1E6F19	002D3FA7	80F7E822	0	00001209	CA6935A5	01219BC8	00820148	EC000000
P10	E57D56FD	00432937	343DFA08	0	00000482	CA6935A5	01219BC8	25051284	EC108000
P10	C2845C77	005C8FCB	390F7E82	0	00000120	CA6935A5	01219BC8	72B68B52	EC0004E8
P10	DE96F8A0	005F743A	3243DFA0	0	00000048	00000000	00000000	61520E80	EC0047E4
P10	AFF13D86	0017C0F7	FC90F7E8	0	00000012	CA6935A5	01219BC8	20090450	EC002210
P10	D164431C	0040904B	F8243DFA	0	00000004	00000000	00000000	55349AC0	EC000568
P10	E1143677	00135608	82090F7E	0	00000001	00000000	00000000	28920100	EC0042A4
P10	326180DD	0004C52B	F48243DF	0	00000000	CA6935A5	01219BC8	10080000	EC002100
P10	FA002E1F	00495FF8	31209CF7	1	00000000	CA6935A5	01219BC8	093482C2	EC004084
P10	0E57665E	005A212D	7048243D	1	00000000	9ACB652D	016F321B	65101343	EC00A0E4
P10	BC63040C	01C06FB4	2J1209CF	0	00000000	00000000	00000000	8729B3A7	EC251096
P10	8ED2ADFA	01FA1FC8	E0048243	1	00000000	CA6935A5	01219BC8	42108000	EC028044
P10	81AAC613	01864112	70012090	1	00000000	9ACB652D	016F321B	652852D1	EC9140F4
P10	5F927C7B	0112CFB8	F0004824	0	00000000	00000000	00000000	40052304	ECDBA089
P10	87D1D7DC	01F26ACC	D0001209	0	00000000	65349AD2	0090CDE4	AC481004	EC090044
P10	10AB5742	01CAE99B	80000482	0	00000000	00000000	00000000	52A8496A	EC482AE2
P10	5080C78A	01E4835E	00000120	0	00000000	65349AD2	0090CDE4	085420A1	EC241041
P10	CF781F7E	01D418BE	50000048	0	00000000	CA6935A5	01219BC8	200A4141	EC5248A2
P10	0946CAE6	01A9F235	AC000012	0	00000000	00000000	00000000	65340AB0	ECA800D5
P10	1B1CB415	01C07FF8	10000004	0	00000000	00000000	00000000	80820551	EC54000A

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SIGMA LOGIC SIMULATION, FML CASE 0039									
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER
P10	A6E7AC51	01E51FFC	10000001	0	00000000	CA6935A5	01219BC8	00000000	EC200004
P10	1B23A6FF	0189210C	20000000	0	00000000	00000000	00000000	4130920	EC9080E6
P10	9684CD3F	01CA693A	F0000000	0	00000000	65349AD2	0090CDE4	00904100	EC480082
P10	3CC805BB	01C4A997	70000000	0	00000000	00000000	00000000	024A6480	EC642401
P11	3F126A44	0028CF68	80000000	0	00000000	00000000	00000000	00000000	EC000000
P12	3F126A44	0028CF68	80000000	0	00000000	00000000	00000000	FFFFFFFF	ECFFFFFFFF
P13	2C073197	00000000	80000000	0	00000000	00000000	00000000	FFFFFFFF	EC000000
P15	03D73197	00000000	80000000	0	00000000	00000000	00000000	00000000	EC000000

00081

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0040								
	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	37C1F3C1	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1CC7FCFC	00000000	37C1F3C1	0	00000000	00000000	00000000	FF000000	00000000
P02	1C000000	00C7FCFC	37C1F3C1	0	00000000	5A5F76B0	005F76B0	80000000	00000000
P03	00000000	00000000	0DF07CF0	0	00C7FCFC	1CC95618	005F76B0	00000000	F6000000
P09	00000000	00000000	037C1F3C	0	00C7FCFC	1CC95618	005F76B0	00000000	F6000000
P10	07325586	0017DDAC	00DF07CF	0	0031FF3F	00000000	00000000	00000000	F6000000
P10	01CC9561	0005F76B	8C37C1F3	1	00C7FCFC	00000000	00000000	00000000	F6000000
P10	C0732558	000170DA	6F0DFC7C	1	0031FF3	E336A9E7	01A0894F	00000000	F6000000
P10	48D1632F	01E87025	DFC37C1F	0	0000C7FC	00000000	00000000	601910A7	F6000A45
P10	0A321CE3	01FA1E60	C3F0DF07	1	000031FF	1CC95618	005F76B0	A0088010	F6000212
P10	ADBCF2BA	01F95AB0	CCFC37C1	1	0000003F	E336A9E7	01A0894F	04040A08	F6200B18
P10	D2A39455	01193639	4F3F0DF0	0	00000031F	00000000	00000000	529A5555	F6D4858C
P10	600E7040	01F36CED	3FCFC37C	0	000000C7	3992AC30	00BEE060	29410A2A	F6080204
P10	5C377596	01D160E2	AFF3F0DF	0	00000031	00000000	00000000	14811410	F6503632
P10	122D9861	01E315B4	A7FCFC37	1	00000000	00000000	00000000	0A008A08	F6289011
P10	460B449A	01F2E169	61FF3F0D	1	00000003	E336A9E7	01A0894F	01004400	F6100808
P10	A90F6A5F	0110980B	5C7FCFC3	0	00000000	00000000	00000000	A1812241	F6D84444
P10	C2239207	01F2372B	A31FF3F0	1	00000000	3992AC30	00BEE060	50809120	F6080000
P10	EACC68C5	01D13692	C0C7FCFC	0	00000000	E336A9E7	01A0894F	28414810	F6501290
P10	486EE28C	01082853	8031FF3F	0	00000000	1CC95618	005F76B0	752234E2	F6E88949
P10	88616C1D	01EF352A	A0CC7FCF	1	00000000	00000000	00000000	AE353844	F62595A8
P10	89951606	01F2A820	70C31FF3	1	00000000	E336A9E7	01A0894F	44109000	F6128A94
P10	CBACC8CC	01102AFE	D000C7FC	1	00000000	00000000	00000000	608A4863	F6D94402
P10	2AC9A0EB	01F258BF	C00031FF	0	00000000	00000000	00000000	20442400	F6080001
P10	82A36132	01FE96FF	C000003F	1	00000000	1CC95618	005F76B0	90201310	F6000000
P10	C39289CE	01E87817	8000031F	1	00000000	E336A9E7	01A0894F	4850A808	F62F0850
P10	1A3D2208	0119FF82	7A0000C7	1	00000000	00000000	00000000	E18954E7	F6D4044B
P10	7EED10BB	01F37E8A	E0000031	1	00000000	00000000	00000000	00C48000	F6080241
P10	DFBA676E	01FEDF32	F0000000	0	00000000	00000000	00000000	00020000	F6000100
P10	B7EE19DB	01FFB78C	B0000000	0	00000000	3992AC30	00BEE060	00010000	F6000080
P10	239F6D7A	01D05698	E0000000	1	00000000	00000000	00000000	18C10408	F65F52C0

00082

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0040								
	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P10	CED79A5C	01E3C116	B0000000	0	00000000	E336A9E7	01A0894F	00408204	F6282940
P10	4B686C6F	011ADR46	E0000000	0	00000000	00000000	00000000	612B4520	F6D044A3
P11	AC93B192	01E81CE9	20000000	0	00000000	1CC95618	005F76B0	00000000	F6000000
P12	C95D07AA	004A9399	20000000	0	00000000	00000000	00000000	FFFFFFF0	F6FFFFFF
P13	364A9399	00000000	20000000	0	00000000	00000000	00000000	00000000	F6000000
P15	364A9399	00000000	20000000	0	00000000	00000000	00000000	00000000	F6000000

00083

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0041						D REGISTER	CS REGISTER	CS REGISTER
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER			
PPR	00000001	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PC1	40100000	00000000	00000001	0	00000000	00000000	00000000	FF000000	00000000
PC2	40000000	00100000	00000001	0	00000000	41100000	00100000	80000000	00000000
PC3	00000000	00000000	00000000	0	00100000	00000000	00100000	00000000	01000000
PC9	00000000	00000000	00000000	0	00100000	00000000	00100000	00000000	01000000
P10	00000000	00040000	00000000	0	00040000	00000000	00000000	00000000	01000000
P10	00000000	00010000	00000000	0	00010000	00000000	00000000	00000000	01000000
P10	00000000	00004000	00000000	0	00004000	00000000	00000000	00000000	01000000
P10	00000000	00001000	00000000	0	00001000	00000000	00000000	00000000	01000000
P10	00000000	00000400	00000000	0	00000400	00000000	00000000	00000000	01000000
P10	00000000	00000100	00000000	0	00000100	00000000	00000000	00000000	01000000
P10	00000000	00000040	00000000	0	00000040	00000000	00000000	00000000	01000000
P10	00000000	00000010	00000000	0	00000010	00000000	00000000	00000000	01000000
P10	00000000	00000004	00000000	0	00000004	00000000	00000000	00000000	01000000
P10	00000000	00000001	00000000	0	00000001	00000000	00000000	00000000	01000000
P10	40000000	00000000	04000000	0	00000000	00000000	00000000	00000000	01000000
P10	10000000	00000000	10000000	0	00000000	00000000	00000000	00000000	01000000
P10	04000000	00000000	04000000	0	00000000	00000000	00000000	00000000	01000000
P10	01000000	00000000	00100000	0	00000000	00000000	00000000	00000000	01000000
P10	00400000	00000000	00400000	0	00000000	00000000	00000000	00000000	01000000
P10	00100000	00000000	00100000	0	00000000	00000000	00000000	00000000	01000000
P10	00040000	00000000	00040000	0	00000000	00000000	00000000	00000000	01000000
P10	00010000	00000000	00010000	0	00000000	00000000	00000000	00000000	01000000
P10	00004000	00000000	00004000	0	00000000	00000000	00000000	00000000	01000000
P10	00001000	00000000	00001000	0	00000000	00000000	00000000	00000000	01000000
P10	00000400	00000000	00000400	0	00000000	00000000	00000000	00000000	01000000
P10	00000100	00000000	00000100	0	00000000	00000000	00000000	00000000	01000000
P10	00000040	00000000	00000040	0	00000000	00000000	00000000	00000000	01000000
P10	00000010	00000000	00000010	0	00000000	00000000	00000000	00000000	01000000
P10	00000004	00000000	00000004	0	00000000	00000000	00000000	00000000	01000000
P10	00000001	00000000	00000001	0	00000000	00000000	00000000	00000000	01000000

00084

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0041						D REGISTER	CS REGISTER	CS REGISTER
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER			
P10	00000000	00040000	40000000	0	00000000	00000000	00000000	00000000	01000000
P10	00000000	00010000	10000000	0	00000000	00000000	00000000	00000000	01000000
P11	00000000	00010000	10000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000000	00010000	10000000	0	00000000	00000000	00000000	FFFFFFFF	0FFFFFFF
P13	00000001	00100000	20000000	0	00000000	00000000	00000000	FFFFFFFF	0FFFFFFF
P13	40100000	00000000	20000000	0	00000000	00000000	00000000	00000000	00000000
P15	40100000	00000000	20000000	0	00000000	00000000	00000000	00000000	00000000

00085

SIGMA LOGIC SIMULATION, FML, CASE 0042

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	00000002	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40100000	00000000	00000002	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00100000	00000002	0	00000000	41100000	00100000	80000000	00000000
P03	00000000	00000000	00000000	0	00100000	00000000	00100000	00000000	01000000
P09	00000000	00000000	00000000	0	00100000	00000000	00200000	00000000	01000000
P10	00000000	00080000	00000000	0	00040000	00000000	00000000	00000000	01000000
P10	00000000	00020000	00000000	0	00010000	00000000	00000000	00000000	01000000
P10	00000000	00008000	00000000	0	00004000	00000000	00000000	00000000	01000000
P10	00000000	00002000	00000000	0	00001000	00000000	00000000	00000000	01000000
P10	00000000	00000800	00000000	0	00000400	00000000	00000000	00000000	01000000
P10	00000000	00000400	00000000	0	00000200	00000000	00000000	00000000	01000000
P10	00000000	00000200	00000000	0	00000100	00000000	00000000	00000000	01000000
P10	00000000	00000100	00000000	0	00000040	00000000	00000000	00000000	01000000
P10	00000000	00000080	00000000	0	00000020	00000000	00000000	00000000	01000000
P10	00000000	00000040	00000000	0	00000010	00000000	00000000	00000000	01000000
P10	00000000	00000020	00000000	0	00000004	00000000	00000000	00000000	01000000
P10	00000000	00000010	00000000	0	00000002	00000000	00000000	00000000	01000000
P10	80000000	00000000	04000000	0	00000000	00000000	00000000	00000000	01000000
P10	20000000	00000000	01000000	0	00000000	00000000	00000000	00000000	01000000
P10	08000000	00000000	00400000	0	00000000	00000000	00000000	00000000	01000000
P10	02000000	00000000	00100000	0	00000000	00000000	00000000	00000000	01000000
P10	00800000	00000000	00000000	0	00000000	00000000	00000000	00000000	01000000
P10	00400000	00000000	00000000	0	00000000	00000000	00000000	00000000	01000000
P10	00200000	00000000	00000000	0	00000000	00000000	00000000	00000000	01000000
P10	00080000	00000000	00004000	0	00000000	00000000	00000000	00000000	01000000
P10	00020000	00000000	00001000	0	00000000	00000000	00000000	00000000	01000000
P10	00008000	00000000	00000400	0	00000000	00000000	00000000	00000000	01000000
P10	00002000	00000000	00000100	0	00000000	00000000	00000000	00000000	01000000
P10	00000800	00000000	00000040	0	00000000	00000000	00000000	00000000	01000000
P10	00000200	00000000	00000010	0	00000000	00000000	00000000	00000000	01000000
P10	00000080	00000000	00000004	0	00000000	00000000	00000000	00000000	01000000
P10	00000020	00000000	00000001	0	00000000	00000000	00000000	00000000	01000000
P10	00000008	00000000	00000000	0	00000000	00000000	00000000	00000000	01000000
P10	00000002	00000000	00000000	0	00000000	00000000	00100000	00000000	01000000

00086

SIGMA LOGIC SIMULATION, FML, CASE 0042

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	00000000	00040000	80000000	0	00000000	00000000	00000000	00000000	01000000
P10	00000000	00010000	20000000	0	00000000	00000000	00000000	00000000	01000000
P11	00000000	00010000	20000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000000	00010000	20000000	0	00000000	00000000	00000000	FFFFFF	0FFFFFF
P13	00000002	00100000	40000000	0	00000000	00000000	00000000	FFFFFF	0FFFFFF
P13	40100000	00000000	40000000	0	00000000	00000000	00000000	00000000	00000000
P15	40100000	00000000	40000000	0	00000000	00000000	00000000	00000000	00000000

00087

SIGMA LOGIC SIMULATION, FML, CASE 0043									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	00000003	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40100000	00000000	00000003	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00100000	00000003	0	00000000	41100000	00100000	80000000	00000000
P03	00000000	00000000	00000000	1	00100000	00000000	00100000	00000000	01000000
P09	00000000	00000000	00000000	0	00100000	FFFFFFFF	01FFFFFF	00000000	01000000
P10	FFFFFFFF	01FBFFFF	C0000000	0	00040000	00000000	00100000	00000000	01000000
P10	FFFFFFFF	01FAFFFF	C0000000	0	00010000	00000000	00000000	00000000	01080000
P10	FFFFFFFF	01FCBFFF	C0000000	0	00004000	00000000	00000000	00000000	01040000
P10	FFFFFFFF	01FE2FFF	C0000000	0	00001000	00000000	00000000	00000000	01020000
P10	FFFFFFFF	01FF0BFF	C0000000	0	00000400	00000000	00000000	00000000	01010000
P10	FFFFFFFF	01FF82FF	C0000000	0	00000100	00000000	00000000	00000000	01008000
P10	FFFFFFFF	01FFC0BF	C0000000	0	00000040	00000000	00000000	00000000	01004000
P10	FFFFFFFF	01FFE02F	C0000000	0	00000010	00000000	00000000	00000000	01002000
P10	FFFFFFFF	01FFF00B	C0000000	0	00000004	00000000	00000000	00000000	01001000
P10	FFFFFFFF	01FFF802	C0000000	0	00000001	00000000	00000000	00000000	01000800
P10	FFFFFFFF	01FFF000	C4C00000	0	00000000	00000000	00000000	00000000	01000400
P10	2FFFFFFF	01FFFE00	C1C00000	0	00000000	00000000	00000000	00000000	01000200
P10	0BFFFFFF	01FFFF00	C0400000	0	00000000	00000000	00000000	00000000	01000100
P10	02FFFFFF	01FFFF80	C0100000	0	00000000	00000000	00000000	00000000	01000080
P10	00BFFFFFF	01FFFFC0	C0040000	0	00000000	00000000	00000000	00000000	01000040
P10	002FFFFFF	01FFFFE0	C0010000	0	00000000	00000000	00000000	00000000	01000020
P10	000BFFFF	01FFFFF0	C0004000	0	00000000	00000000	00000000	00000000	01000010
P10	0002FFFF	01FFFFF8	C0001000	0	00000000	00000000	00000000	00000000	01000008
P10	0000BFFF	01FFFFFC	C0000400	0	00000000	00000000	00000000	00000000	01000004
P10	00002FFF	01FFFFFE	C0000100	0	00000000	00000000	00000000	00000000	01000002
P10	00000BFF	01FFFFFF	C0000040	0	00000000	00000000	00000000	00000000	01000001
P10	800002FF	01FFFFFF	C0000010	0	00000000	00000000	00000000	80000000	01000000
P10	C00000BF	01FFFFFF	C0000004	0	00000000	00000000	00000000	40000000	01000000
P10	E000002F	01FFFFFF	C0000001	0	00000000	00000000	00000000	20000000	01000000
P10	F000000B	01FFFFFF	C0000000	0	00000000	00000000	00000000	10000000	01000000
P10	F8000002	01FFFFFF	C0000000	0	00000000	00000000	00100000	08000000	01000000

00088

SIGMA LOGIC SIMULATION, FML, CASE 0043									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P10	FC000000	01FBFFFF	80000000	0	00000000	00000000	00000000	04000000	01080000
P10	FE000000	01FCFFFF	30000000	0	00000000	00000000	00000000	02000000	01040000
P11	00000000	00010000	30000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000000	00010000	30000000	0	00000000	00000000	00000000	FFFFFFFF	01FFFFFF
P13	00000003	00100000	60000000	0	00000000	00000000	00000000	FFFFFFFF	00FFFFFF
P13	40100000	00000000	60000000	0	00000000	00000000	00000000	00000000	00000000
P15	40100000	00000000	60000000	0	00000000	00000000	00000000	00000000	00000000

00089

SIGMA LOGIC SIMULATION, FML, CASE 0044									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	00000006	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40100000	00000000	00000006	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00100000	00000006	0	00000000	41100000	00100000	80000000	00000000
P03	00000000	00000000	00000001	0	00100000	00000000	00100000	00000000	01000000
P09	00000000	00000000	00000000	0	00100000	00000000	00200000	00000000	01000000
P10	00000000	00080000	00000000	0	00040000	00000000	00100000	00000000	01000000
P10	00000000	00060000	00000000	0	00010000	00000000	00000000	00000000	01000000
P10	00000000	00018000	00000000	0	00004000	00000000	00000000	00000000	01000000
P10	00000000	00006000	00000000	0	00001000	00000000	00000000	00000000	01000000
P10	00000000	00001800	00000000	0	00000400	00000000	00000000	00000000	01000000
P10	00000000	00000600	00000000	0	00000100	00000000	00000000	00000000	01000000
P10	00000000	00000180	00000000	0	00000040	00000000	00000000	00000000	01000000
P10	00000000	00000060	00000000	0	00000010	00000000	00000000	00000000	01000000
P10	00000000	00000018	00000000	0	00000004	00000000	00000000	00000000	01000000
P10	00000000	00000006	00000000	0	00000001	00000000	00000000	00000000	01000000
P10	80000000	00000001	04000000	0	00000000	00000000	00000000	00000000	01000000
P10	60000000	00000000	01000000	0	00000000	00000000	00000000	00000000	01000000
P10	18000000	00000000	00400000	0	00000000	00000000	00000000	00000000	01000000
P10	06000000	00000000	00100000	0	00000000	00000000	00000000	00000000	01000000
P10	01800000	00000000	00040000	0	00000000	00000000	00000000	00000000	01000000
P10	00600000	00000000	00010000	0	00000000	00000000	00000000	00000000	01000000
P10	00180000	00000000	00004000	0	00000000	00000000	00000000	00000000	01000000
P10	00060000	00000000	00010000	0	00000000	00000000	00000000	00000000	01000000
P10	00018000	00000000	00004000	0	00000000	00000000	00000000	00000000	01000000
P10	00006000	00000000	00001000	0	00000000	00000000	00000000	00000000	01000000
P10	00001800	00000000	00000400	0	00000000	00000000	00000000	00000000	01000000
P10	00000600	00000000	00000100	0	00000000	00000000	00000000	00000000	01000000
P10	00000180	00000000	00000040	0	00000000	00000000	00000000	00000000	01000000
P10	00000060	00000000	00000010	0	00000000	00000000	00000000	00000000	01000000
P10	00000018	00000000	00000004	0	00000000	00000000	00000000	00000000	01000000
P10	00000006	00000000	00000001	0	00000000	00000000	00000000	00000000	01000000
P10	00000018	00000000	00000000	0	00000000	00000000	00000000	00000000	01000000
P10	00000006	00000000	00000000	0	00000000	00000000	00100000	00000000	01000000

00090

SIGMA LOGIC SIMULATION, FML, CASE 0044									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	00000001	00040000	00000000	0	00000000	00000000	00000000	00000000	01000000
P10	00000000	00010000	60000000	0	00000000	00000000	00000000	00000000	01000000
P11	00000000	00010000	60000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000000	00010000	60000000	0	00000000	00000000	00000000	00000000	01000000
P13	00000006	00100000	00000000	0	00000000	00000000	00000000	FFFFFF	01FFFFFF
P13	40100000	00000000	00000000	0	00000000	00000000	00000000	FFFFFF	00FFFFFF
P15	40100000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000

00091

SIGMA LOGIC SIMULATION, FML, CASE 0045									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	00000001	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40100000	00000000	00000001	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00100000	00000001	0	00000000	41FFFFFF	00FFFFFF	80000000	00000000
P03	00000000	00000000	00000000	0	00100000	FFFFFFFF	00FFFFFF	00000000	01000000
P09	00000000	00000000	00000000	0	00100000	FFFFFFFF	00FFFFFF	00000000	01000000
P10	FFFFFFFF	003BFFFF	C0000000	0	00040000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	000EFFFF	F0000000	0	00010000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0003BFFF	F0000000	0	00004000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000EFFF	F0000000	0	00001000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00003BFF	F0000000	0	00000400	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000EFFF	F0000000	0	00000100	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00003BFF	F0000000	0	00000040	00000000	00000000	00000000	01000000
P10	FFFFFFFF	000000EF	F0000000	0	00000010	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000003B	F0000000	0	00000004	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000000E	F0000000	0	00000001	00000000	00000000	00000000	01000000
P10	BFFFFFFF	00000003	F4000000	0	00000000	00000000	00000000	00000000	01000000
P10	EFFFFFFF	00000000	F1000000	0	00000000	00000000	00000000	00000000	01000000
P10	3BFFFFFF	00000000	F0400000	0	00000000	00000000	00000000	00000000	01000000
P10	0EFFFFFF	00000000	F0100000	0	00000000	00000000	00000000	00000000	01000000
P10	03BFFFFFF	00000000	F0C40000	0	00000000	00000000	00000000	00000000	01000000
P10	00EFFFFFF	00000000	F0010000	0	00000000	00000000	00000000	00000000	01000000
P10	003BFFFF	00000000	F0004000	0	00000000	00000000	00000000	00000000	01000000
P10	000EFFFF	00000000	F0001000	0	00000000	00000000	00000000	00000000	01000000
P10	0003BFFF	00000000	F0000400	0	00000000	00000000	00000000	00000000	01000000
P10	0000EFFF	00000000	F0000100	0	00000000	00000000	00000000	00000000	01000000
P10	00003BFF	00000000	F0000040	0	00000000	00000000	00000000	00000000	01000000
P10	000000EF	00000000	F0000010	0	00000000	00000000	00000000	00000000	01000000
P10	0000003B	00000000	F0000004	0	00000000	00000000	00000000	00000000	01000000
P10	0000000E	00000000	F0000001	0	00000000	00000000	00000000	00000000	01000000
P10	0000003B	00000000	F0000000	0	00000000	00000000	00000000	00000000	01000000
P10	0000000E	00000000	F0000000	0	00000000	FFFFFFFF	00FFFFFF	00000000	01000000

00092

SIGMA LOGIC SIMULATION, FML, CASE 0045									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	FFFFFFFC	003BFFFF	70000000	0	00000000	00000000	00000000	00000000	01000000
P10	FFFFFFFE	000EFFFF	D0000000	0	00000000	00000000	00000000	00000000	01000000
P11	00000000	000F0000	D0000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000000	000F0000	D0000000	0	00000000	00000000	00000000	FFFFFFFF	01FFFFFF
P13	00000000	000F0000	A0000000	0	00000000	00000000	00000000	FFFFFFFF	00FFFFFF
P13	40F00000	00000000	A0000000	0	00000000	00000000	00000000	00000000	00000000
P15	40F00000	00000000	A0000000	0	00100000	00000000	00000000	00000000	00000000

00093

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0046								
	A REGISTER	A'REGISTER	B REGISTER	BC31	R'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	00000002	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40100000	00000000	00000002	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00100000	00000002	0	00000000	41FFFFFF	00FFFFFF	80000000	00000000
P03	00000000	00000000	00000000	0	00100000	FFFFFFFF	00FFFFFF	00000000	01000000
P09	00000000	00000000	00000000	0	00100000	FFFFFFFF	01DFFFFFF	00000000	01000000
P10	FFFFFFFF	0077FFFF	80000000	0	00040000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0010FFFF	E0000000	0	00010000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00077FFF	F0000000	0	00004000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00010FFF	F0000000	0	00001000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	000077FF	F0000000	0	00000400	00000000	00000000	00000000	01000000
P10	FFFFFFFF	000010FF	F0000000	0	00000100	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000077F	F0000000	0	00000040	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000010F	F0000000	0	00000010	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00000077	F0000000	0	00000004	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00000010	F0000000	0	00000000	00000000	00000000	00000000	01000000
P10	7FFFFFFF	00000007	F4000000	0	00000000	00000000	00000000	00000000	01000000
P10	DFFFFFFF	00000001	F1000000	0	00000000	00000000	00000000	00000000	01000000
P10	77FFFFFF	00000000	F0400000	0	00000000	00000000	00000000	00000000	01000000
P10	1DFFFFFF	00000000	F0100000	0	00000000	00000000	00000000	00000000	01000000
P10	077FFFFFF	00000000	F0C40000	0	00000000	00000000	00000000	00000000	01000000
P10	01DFFFFFF	00000000	F0C10000	0	00000000	00000000	00000000	00000000	01000000
P10	0077FFFF	00000000	F0C04000	0	00000000	00000000	00000000	00000000	01000000
P10	001DFFFF	00000000	F0C01000	0	00000000	00000000	00000000	00000000	01000000
P10	00077FFF	00000000	F0C00400	0	00000000	00000000	00000000	00000000	01000000
P10	0001DFFF	00000000	F0C00100	0	00000000	00000000	00000000	00000000	01000000
P10	000077FF	00000000	F0C00040	0	00000000	00000000	00000000	00000000	01000000
P10	00001DFF	00000000	F0C00010	0	00000000	00000000	00000000	00000000	01000000
P10	0000077F	00000000	F0C00004	0	00000000	00000000	00000000	00000000	01000000
P10	0000010F	00000000	F0C00001	0	00000000	00000000	00000000	00000000	01000000
P10	00000077	00000000	F0C00000	0	00000000	00000000	00000000	00000000	01000000
P10	0000001D	00000000	F0C00000	0	00000000	FFFFFFFF	00FFFFFF	00000000	01000000

00094

TIME	SIGMA LOGIC SIMULATION, FML, CASE 0046								
	A REGISTER	A'REGISTER	B REGISTER	BC31	R'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	FFFFFFFFA	003BFFFF	80000000	0	00000000	00000000	00000000	00000000	01000000
P10	FFFFFFFFD	000EFFFF	80000000	0	00000000	00000000	00000000	00000000	01000000
P11	00000001	000F0000	00000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000001	000F0000	00000000	0	00000000	00000000	00000000	FFFFFFFF	01FFFFFF
P13	00000010	000F0000	80000000	0	00000000	00000000	00000000	FFFFFFFF	00FFFFFF
P13	40F00000	00000000	80000000	0	00000000	00000000	00000000	00000000	00000000
P15	40F00000	00000000	80000000	0	00000000	00000000	00000000	00000000	00000000

00095

SIGMA LOGIC SIMULATION: FML CASE 0047									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	00000003	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40100000	00000000	00000003	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00100000	00000003	0	00000000	41FFFFFF	00FFFFFF	80000000	00000000
P03	00000000	00000000	00000000	1	00100000	FFFFFFFF	00FFFFFF	00000000	01000000
P09	00000000	00000000	00000000	0	00100000	00000000	01100000	00000000	01000000
P10	00000000	01C40000	00000000	0	00340000	FFFFFFFF	00FFFFFF	00000000	01000000
P10	FFFFFFFF	01CAFFFF	00000000	0	00010000	00000000	00000000	00000000	01620000
P10	FFFFFFFF	01EA3FFF	F0000000	0	00004000	00000000	00000000	00000000	01210000
P10	FFFFFFFF	01F2CFFF	F0000000	0	00001000	00000000	00000000	00000000	01100000
P10	FFFFFFFF	01F8B3FF	F0000000	0	00000400	00000000	00000000	00000000	01080000
P10	FFFFFFFF	01FC2CFF	F0000000	0	00000100	00000000	00000000	00000000	01040000
P10	FFFFFFFF	01FE0B3F	F0000000	0	00000040	00000000	00000000	00000000	01020000
P10	FFFFFFFF	01FF02CF	F0000000	0	00000010	00000000	00000000	00000000	01010000
P10	FFFFFFFF	01FF80B3	F0000000	0	00000004	00000000	00000000	00000000	01008000
P10	FFFFFFFF	01FFC02C	F0000000	0	00000001	00000000	00000000	00000000	01004000
P10	3FFFFFFF	01FFE00B	F4000000	0	00000000	00000000	00000000	00000000	01002000
P10	FFFFFFFF	01FFF002	F1000000	0	00000000	00000000	00000000	00000000	01001000
P10	B3FFFFFF	01FFF800	F0400000	0	00000000	00000000	00000000	00000000	01000800
P10	2CFFFFFF	01FFF000	F0100000	0	00000000	00000000	00000000	00000000	01000400
P10	0B3FFFFFF	01FFF000	F0040000	0	00000000	00000000	00000000	00000000	01000200
P10	02CFFFFFF	01FFF000	F0010000	0	00000000	00000000	00000000	00000000	01000100
P10	00B3FFFF	01FFFF80	F0004000	0	00000000	00000000	00000000	00000000	01000080
P10	002CFFFF	01FFFF00	F0001000	0	00000000	00000000	00000000	00000000	01000040
P10	000B3FFF	01FFFF00	F0000400	0	00000000	00000000	00000000	00000000	01000020
P10	0002CFFF	01FFFF00	F0000100	0	00000000	00000000	00000000	00000000	01000010
P10	0000B3FF	01FFFF00	F0000040	0	00000000	00000000	00000000	00000000	01000008
P10	00002CFF	01FFFF00	F0000010	0	00000000	00000000	00000000	00000000	01000004
P10	00000B3F	01FFFF00	F0000004	0	00000000	00000000	00000000	00000000	01000002
P10	000002CF	01FFFF00	F0000001	0	00000000	00000000	00000000	00000000	01000001
P10	800000B3	01FFFF00	F0000000	0	00000000	00000000	00000000	80000000	01000000
P10	C000002C	01FFFF00	F0000000	0	00000000	FFFFFFFF	00FFFFFF	40000000	01000000

00096

SIGMA LOGIC SIMULATION: FML CASE 0047									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	1FFFFFF4	01C40000	F0000000	0	00000000	00000000	00000000	E0000001	0177FFFF
P10	FFFFFFFF	01E0FFFF	B0000000	0	00000000	00000000	00000000	00000000	01220000
P11	00000002	000F0000	B0000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000002	000F0000	B0000000	0	00000000	00000000	00000000	FFFFFFFF	01FFFFFF
P13	0000002B	00F00000	60000000	0	00000000	00000000	00000000	FFFFFFFF	00FFFFFF
P13	40F00000	00000000	60000000	0	00000000	00000000	00000000	00000000	00000000
P15	40F00000	00000000	60000000	0	00000000	00000000	00000000	00000000	00000000

00097

SIGMA LOGIC SIMULATION, FML, CASE 0048

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	00000006	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	40100000	00000000	00000006	0	00000000	00000000	00000000	FF000000	00000000
P02	40000000	00100000	00000006	0	00000000	41FFFFFF	00FFFFFF	80000000	00000000
P03	00000000	00000000	00000001	0	00100000	FFFFFFFF	00FFFFFF	00000000	01000000
P09	00000000	00000000	00000000	0	00100000	FFFFFFFF	01DFFFFF	00000000	01000000
P10	FFFFFFFF	0077FFFF	80000000	0	00040000	FFFFFFFF	00FFFFFF	00000000	01000000
P10	00000000	00260000	20000000	0	00010000	00000000	00000000	00000000	0133FFFF
P10	FFFFFFFF	00057FFF	E0000000	0	00004000	00000000	00000000	00000000	01110000
P10	FFFFFFFF	00051FFF	F0000000	0	00001000	00000000	00000000	00000000	01008000
P10	FFFFFFFF	000167FF	F0000000	0	00004000	00000000	00000000	00000000	01000000
P10	FFFFFFFF	000059FF	F0000000	0	00000100	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000167F	F0000000	0	00000040	00000000	00000000	00000000	01000000
P10	FFFFFFFF	0000059F	F0000000	0	00000010	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00000167	F0000000	0	00000004	00000000	00000000	00000000	01000000
P10	FFFFFFFF	00000059	F0000000	0	00000001	00000000	00000000	00000000	01000000
P10	7FFFFFFF	00000016	F4000000	0	00000000	00000000	00000000	00000000	01000000
P10	9FFFFFFF	00000005	F1000000	0	00000000	00000000	00000000	00000000	01000000
P10	67FFFFFF	00000001	F0400000	0	00000000	00000000	00000000	00000000	01000000
P10	59FFFFFF	00000000	F0100000	0	00000000	00000000	00000000	00000000	01000000
P10	167FFFFFF	00000000	F0040000	0	00000000	00000000	00000000	00000000	01000000
P10	059FFFFFF	00000000	F0C10000	0	00000000	00000000	00000000	00000000	01000000
P10	0167FFFF	00000000	F0C04000	0	00000000	00000000	00000000	00000000	01000000
P10	0059FFFF	00000000	F0C01000	0	00000000	00000000	00000000	00000000	01000000
P10	00167FFF	00000000	F0C00400	0	00000000	00000000	00000000	00000000	01000000
P10	00059FFF	00000000	F0C00100	0	00000000	00000000	00000000	00000000	01000000
P10	000167FF	00000000	F0C00040	0	00000000	00000000	00000000	00000000	01000000
P10	000059FF	00000000	F0C00010	0	00000000	00000000	00000000	00000000	01000000
P10	0000167F	00000000	F0C00004	0	00000000	00000000	00000000	00000000	01000000
P10	0000059F	00000000	F0C00001	0	00000000	00000000	00000000	00000000	01000000
P10	00000167	00000000	F0C00000	0	00000000	00000000	00000000	00000000	01000000
P10	00000059	00000000	F0C00000	0	00000000	FFFFFFFF	00FFFFFF	00000000	01000000

00098

SIGMA LOGIC SIMULATION, FML, CASE 0048

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P10	FFFFFFFF0	003RFFFF	80000000	0	00000000	00000000	00000000	00000000	01000000
P10	FFFFFFFF1	000EFFFF	40000000	0	00000000	00000000	00000000	00000014	01000000
P11	00000005	000F0000	80000000	0	00000000	00000000	00000000	00000000	01000000
P12	00000005	000F0000	80000000	0	00000000	00000000	00000000	FFFFFFFF	01FFFFFF
P13	00000058	000F0000	00000000	0	00000000	00000000	00000000	FFFFFFFF	00FFFFFF
P13	40F00000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P15	40F00000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000

00101

SIGMA LOGIC SIMULATION, FMS, CASE 0001

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	46555555	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	46555555	00000000	46555555	0	00000000	00000000	00000000	FF000000	00000000
P02	46000000	00555555	46555555	0	00000000	04AAAAAA	0CAAAAAA	80000000	00000000
P03	00000000	00000000	11555555	0	00555555	00000000	01555555	FFFFFFFF	CAFFFFFF
P09	00000000	00000000	04055555	0	00555555	FFFFFFFF	00AAAAAA	00000000	CA000000
P10	FFFFFFFF	002AAAAA	05015555	0	00155555	FFFFFFFF	00AAAAAA	00000000	CA000000
P10	10000000	00200000	05005555	0	00055555	FFFFFFFF	00AAAAAA	5FFFFFFFFF	CA155555
P10	EC000000	0027FFFF	05015555	0	00015555	FFFFFFFF	00AAAAAA	2FFFFFFFFF	CA100000
P10	4F000000	00275555	05005555	0	00005555	FFFFFFFF	00AAAAAA	77FFFFFFFF	CA155555
P10	B1C00000	00272AAA	05000155	0	00001555	FFFFFFFF	00AAAAAA	8FFFFFFFFF	CA11AAAA
P10	BC700000	00270AAA	05000055	0	00000055	FFFFFFFF	00AAAAAA	5FFFFFFFFF	CA11D555
P10	471C0000	00271055	05000015	0	00000155	FFFFFFFF	00AAAAAA	7FFFFFFFFF	CA11C555
P10	B1C70000	00271CAA	05000005	0	00000005	FFFFFFFF	00AAAAAA	8FFFFFFFFF	CA11C6AA
P10	BC71C000	00271C2A	05000001	0	00000015	FFFFFFFF	00AAAAAA	5FFFFFFFFF	CA11C755
P10	471C7000	00271C75	05000000	0	00000005	FFFFFFFF	00AAAAAA	7FFFFFFFFF	CA11C715
P10	B1C71C00	00271C72	05000000	0	00000001	FFFFFFFF	00AAAAAA	8FFFFFFFFF	CA11C71A
P10	BC71C700	00271C70	05000000	0	00000000	00000000	00000000	5FFFFFFFFF	CA11C71D
P11	1C71C700	0038E38E	05000000	0	00000000	00000000	00000000	00000000	CA000000
P12	1C71C700	0038E38F	05000000	0	00000000	00000000	00000000	FFFFFFFF	CAFFFFFF
P13	CAC71C71	00000000	05000000	0	00000000	00000000	00000000	FF000000	CA000000
P15	F5C71C71	00000000	05000000	0	00000000	00000000	00000000	00000000	CA000000

00102

SIGMA LOGIC SIMULATION, FMS, CASE 0002

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	08AAAAAA	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	08AAAAAA	00000000	08AAAAAA	0	00000000	00000000	00000000	FF000000	00000000
P02	08000000	00AAAAAA	08AAAAAA	0	00000000	46555555	00555555	80000000	00000000
P03	00000000	00000000	02AAAAAA	0	07AAAAAA	00000000	01AAAAAA	FFFFFFFF	00FFFFFF
P09	00000000	00000000	00CAAAAA	0	00AAAAAA	FFFFFFFF	00AAAAAB	00000000	00000000
P10	FFFFFFFF	002AAAAA	0802AAAA	0	002AAAAA	FFFFFFFF	00AAAAAB	00000000	00000000
P10	40000000	00200000	0ACC2AAAA	0	002AAAAA	FFFFFFFF	00AAAAAB	7FFFFFFFFF	00155555
P10	B0000000	0027FFFF	0ACC2AAAA	0	002AAAAA	FFFFFFFF	00AAAAAB	8FFFFFFFFF	00100000
P10	30000000	00275555	0AC00AAAA	0	0000AAAA	FFFFFFFF	00AAAAAB	DFFFFFFFFF	00155555
P10	C7000000	00272AAA	0AC002AAA	0	00002AAA	FFFFFFFF	00AAAAAB	FFFFFFFF	0011AAAA
P10	F1C00000	00270AAA	0AC0002AA	0	00000AAA	FFFFFFFF	00AAAAAB	7FFFFFFFFF	0011D555
P10	1C700000	00271055	0AC00002A	0	000002AA	FFFFFFFF	00AAAAAB	FFFFFFFF	0011C555
P10	C71C0000	00271CAA	0AC00000A	0	000000AA	FFFFFFFF	00AAAAAB	FFFFFFFF	0011C6AA
P10	F1C70000	00271C2A	0AC000002	0	0000002A	FFFFFFFF	00AAAAAB	FFFFFFFF	0011C755
P10	1C71C000	00271C75	0AC000000	0	0000000A	FFFFFFFF	00AAAAAB	FFFFFFFF	0011C715
P10	C71C7000	00271C72	0AC000000	0	00000002	FFFFFFFF	00AAAAAB	FFFFFFFF	0011C71A
P10	F1C71C00	00271C70	0AC000000	0	00000000	00000000	00000000	7FFFFFFFFF	0011C71D
P11	71C71C00	0038E38E	0AC000000	0	00000000	00000000	00000000	00000000	00000000
P12	71C71C00	0038E38E	0AC000000	0	00000000	00000000	00000000	FFFFFFFF	00FFFFFF
P13	00C71C71	00000000	0AC000000	0	00000000	00000000	00000000	FF000000	00000000
P15	F2C71C71	00000000	0AC000000	0	00000000	00000000	00000000	00000000	00000000

00103

SIGMA LOGIC SIMULATION, FMS, CASE 0003									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	80000000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	80000000	00000000	80000000	0	00000000	00000000	00000000	FF000000	00000000
P02	7F000000	01000000	7F000000	0	00000000	7F000000	00000000	80000000	00000000
P03	00000000	00000000	7F000000	0	01000000	00000000	00000000	00000000	7F000000
P06	00000000	00000000	7F000000	0	01000000	00000000	00000000	00000000	7b000000
P07	00000000	00000000	7F000000	0	01000000	00000000	00000000	00000000	7c000000
P13	3C000000	00000000	7F000000	0	01000000	00000000	00000000	FF000000	7c000000
P15	00000000	00000000	7F000000	0	01000000	00000000	00000000	00000000	7c000000

00104

SIGMA LOGIC SIMULATION, FMS, CASE 0004									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	01100000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	01100000	00000000	01100000	0	00000000	00000000	00000000	FF000000	00000000
P02	01000000	00100000	01100000	0	00000000	3f100000	00100000	80000000	00000000
P03	00000000	00000000	00040000	0	00100000	00000000	00100000	00000000	00000000
P09	00000000	00000000	00010000	0	00100000	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00004000	0	00040000	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00001000	0	00010000	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000400	0	00004000	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000100	0	00001000	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000040	0	00000400	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000010	0	00000100	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000004	0	00000040	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000001	0	00000010	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000000	0	00000004	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000000	0	00000001	00000000	00100000	00000000	C0000000
P10	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	C0000000
P10	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	C0000000
P11	00000000	00010000	01000000	0	00000000	00000000	00000000	00000000	C0000000
P12	00000000	00010000	01000000	0	00000000	00000000	00000000	FFFFFFF	CFFFFFFF
P13	00000000	00100000	02000000	0	00000000	00000000	00000000	FFFFFFF	BFFFFFFF
P13	7F000000	00000000	02000000	0	00000000	00000000	00000000	00000000	BF000000
P15	00000000	00000000	02000000	0	00000000	00000000	00000000	00000000	BF000000

00105

SIGMA LOGIC SIMULATION, FMS, CASE 0005									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	CFF00000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	CFF00000	00000000	CFF00000	0	00000000	00000000	00000000	FF000000	00000000
P02	30000000	01F00000	30F00000	0	00000000	300FFFFFF	000FFFFFF	80000000	00000000
P03	00000000	01F00000	30F00000	0	01F00000	00000000	00000000	FFFFFFF0	E0FFFFFF
P04	00000000	01000000	30F00000	0	01F00000	00000000	00000000	00000000	DF000000
P05	00000000	00000000	30F00000	0	01F00000	00000000	01F00000	00000000	DF000000
P06	00000000	01000000	30F00000	0	01F00000	00000000	01F00000	00000000	DE000000
P07	00000000	00000000	0CF00000	0	01F00000	00000000	01000000	00000000	DE000000
P09	00000000	00000000	03FF0000	0	01F00000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FC0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P10	00000000	00000000	00FF0000	0	00FF0000	00000000	00000000	00000000	DE000000
P11	00000000	00000000	00FFFFFF	1	00FFFFFF	FFFFFFF0	00FFFFFF	00000000	DF000000
P12	00000000	01000000	00FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF0	DFFFFFFF
P13	00000000	00100000	01FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF0	DFFFFFFF
P13	1F100000	00000000	01FFFFFF	1	00FFFFFF	00000000	00000000	00000000	DF000000

00106

SIGMA LOGIC SIMULATION, FMS, CASE 0005									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	1F100000	00000000	01FFFFFF	1	00FFFFFF	00000000	00000000	00000000	DF000000

00107

SIGMA LOGIC SIMULATION, FMS, CASE 0006									
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER
PPR	3F100000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	3F100000	00000000	3F100000	0	00000000	00000000	00000000	FF000000	00000000
P02	3F000000	00100000	3F100000	0	00000000	01100000	00100000	80000000	00000000
P03	00000000	00000000	0FC40000	0	00100000	00000000	00100000	00000000	00000000
P09	00000000	00000000	03010000	0	00100000	00000000	00000000	00000000	00000000
P10	00000000	00000000	00004000	0	00040000	00000000	00000000	00000000	00000000
P10	00000000	00000000	00001000	0	00010000	00000000	00000000	00000000	00000000
P10	00000000	00000000	00003400	0	00004000	00000000	00000000	00000000	00000000
P10	00000000	00000000	00000100	0	00001000	00000000	00000000	00000000	00000000
P10	00000000	00000000	00000040	0	00000400	00000000	00000000	00000000	00000000
P10	00000000	00000000	00000010	0	00000100	00000000	00000000	00000000	00000000
P10	00000000	00000000	00000004	0	00000040	00000000	00000000	00000000	00000000
P10	00000000	00000000	00000001	0	00000010	00000000	00000000	00000000	00000000
P10	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P10	00000000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P10	00000000	00000000	04000000	0	00000000	00000000	00000000	00000000	00000000
P10	00000000	00010000	01000000	0	00000000	00000000	00000000	00000000	00000000
P11	00000000	00010000	01000000	0	00000000	00000000	00000000	00000000	00000000
P12	00000000	00010000	01000000	0	00000000	00000000	00000000	FFFFFFFF	FFFFFFFF
P13	00000000	00100000	02000000	0	00000000	00000000	00000000	FFFFFFFF	FFFFFFFF
P13	7F000000	00000000	02000000	0	00000000	00000000	00000000	00000000	BF000000
P15	00000000	00000000	02000000	0	00000000	00000000	00000000	00000000	BF000000

00108

SIGMA LOGIC SIMULATION, FMS, CASE 0007									
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER
PPR	61369AD0	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	61369AD0	00000000	61369AD0	0	00000000	00000000	00000000	FF000000	00000000
P02	61000000	00369AD0	61369AD0	0	00000000	6C159027	00159027	80000000	00000000
P03	00000000	00000000	180DA6B4	0	00369AD0	00000000	00159027	00000000	41000000
P09	00000000	00000000	060369AD	0	00369AD0	00000000	00000000	00000000	41000000
P10	00000000	00000000	0100DA6E	0	000DA6B4	00000000	00000000	00000000	41000000
P10	00000000	00000000	0000369A	1	000369AD	00000000	00159027	00000000	41000000
P10	00000000	00056409	04C00DA6	1	0000DA6B	FFFFFFFF	01EA6FD8	00000000	41000000
P10	4FFFFFFF	01F0C2F4	00000369	1	0000369A	FFFFFFFF	01EA6FD8	60000000	41003204
P10	34000000	010467CA	080000DA	0	00000DA6	FFFFFFFF	01EA6FD8	37FFFFFF	41F5316A
P10	3F000000	0106CF5E	0A000036	0	00000369	00000000	002B204E	1FFFFFFF	41F233E5
P10	493FFFFFF	01F7F77D	06000000	0	000000DA	00000000	002B204E	00800000	41111127
P10	112FFFFFF	01F37185	C9000003	0	00000036	00000000	002B204E	84800000	41199887
P10	256BFFFF	01F0725F	CAC00000	1	00000000	00000000	00159027	80000000	41109843
P10	E95AFFFF	01FF1F8E	06000000	0	00000003	FFFFFFFF	01EA6FD8	80000000	41CAC823
P10	65A94000	0107AF5D	00000000	0	00000000	00000000	00159027	74AD7FFF	41F52745
P10	C4410FFF	01F9C64F	C3000000	0	00000000	00000000	00000000	B254A000	41CAD322
P11	7695B000	00049972	03000000	0	00000000	00000000	00000000	00000000	41000000
P12	7695B000	00049972	03000000	0	00000000	00000000	00000000	FFFFFFFF	41FFFFFF
P13	695B0000	00499727	06000000	0	00000000	00000000	00000000	FFFFFFFF	40FFFFFF
P13	00000000	00000000	06000000	0	00000000	00000000	00000000	00000000	40000000
P15	00000000	00000000	06000000	0	00000000	00000000	00000000	00000000	40000000

00109

SIGMA LOGIC SIMULATION, FMS, CASE 0008									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	61659CC1	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	61659CC1	00000000	61659CC1	0	00000000	00000000	00000000	FF000000	00000000
P02	61000000	00659CC1	61659CC1	0	00000000	0C331C1F	00331C1F	80000000	00000000
P03	00000000	00000000	1819673C	0	00659CC1	00000000	00331C1F	00000000	ED000000
P09	00000000	00000000	060659CC	0	00659CC1	00000000	00331C1F	00000000	ED000000
P10	00000000	000CC707	05C19673	0	00196730	00000000	00000000	00000000	ED000000
P10	F0000000	000331C1	01C0659C	1	000659CC	00000000	00000000	00000000	E0000000
P10	70000000	0000CC70	00CC1967	0	00019673	FFFFFFF	01CCE3E0	00000000	ED000000
P10	20FFFFFF	01F308E4	CC000659	1	0000659C	00000000	00331C1F	3E000000	E0006030
P10	C7BFFFFFF	01F010F2	C3000196	0	00001967	FFFFFFF	01CCE3E0	10000000	ED19841A
P10	0A100000	01C95E82	0C000065	0	00000659	00000000	0066383E	05080000	ED36205D
P10	5873FFFF	01E0C911	C7000019	0	00000196	00000000	0066383E	6BFFFFFF	EDEC42F9
P10	975EFFFF	01EC371C	C9000006	0	00000065	00000000	00331C1F	80000000	E033148F
P10	45D7BFFF	01F80FE3	C6000001	0	00000019	00000000	00331C1F	40000000	ED198A0F
P10	C175EFFF	01F4667C	C5000000	0	00000006	00000000	0066383E	A0000000	ED108707
P10	585D7BFF	01E3F651	C9000000	0	00000001	00000000	00331C1F	40000000	ED3A131F
P10	46175EFF	01FABF54	C6000000	0	00000000	00000000	00000000	A0000000	ED19880F
P11	E6175F00	00144963	06000000	0	00000000	00000000	00000000	00000000	ED000000
P12	E6175F00	00144963	06000000	0	00000000	00000000	00000000	FFFFFFF	EFFFFFF
P13	2D144963	00000000	06000000	0	00000000	00000000	00000000	00000000	E0000000
P15	2D144963	00000000	06000000	0	00000000	00000000	00000000	00000000	ED000000

00110

SIGMA LOGIC SIMULATION, FMS, CASE 0009									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	C624A394	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	C624A394	00000000	C624A394	0	00000000	00000000	00000000	FF000000	00000000
P02	39000000	0124A394	3924A394	0	00000000	3C29499C	0029499C	80000000	00000000
P03	00000000	00000000	0EC928E5	0	0124A394	00000000	01D6B663	00000000	F5000000
P09	00000000	00000000	03F24A39	0	0124A394	00000000	00000000	00000000	F5000000
P10	00000000	00000000	03FC928E	0	00C928E5	00000000	01D6B663	00000000	F5000000
P10	C0000000	01F5AD98	04FF24A3	0	00F24A39	00000000	01D6B663	00000000	F5000000
P10	F0000000	018C4FE	05FFC928	1	00FC928E	00000000	01AD6CC6	00000000	F5EA5200
P10	30000000	0113F0CF	09FFF24A	0	00FF24A3	FFFFFFF	0029499C	00000000	F5D42363
P10	70FFFFFF	01F8A53C	0EFFFFC9	0	00FFC928	00000000	01D6B663	1E000000	F508B5A7
P10	1BFFFFFF	010969B6	C3FFFFFF	0	00FFFFFF	00000000	01AD6CC6	88000000	F5E05A93
P10	E4EFFFFFF	011257F8	C8FFFFFF	0	00FFFFFF	00000000	01AD6CC6	04000000	F5D6B44B
P10	783BFFFF	011A63DD	CAFFFFFF	0	00FFFFFF	00000000	00000000	02000000	F5CB3A65
P10	1E8EFFFF	01F4566E	C2FFFFFF	0	00FFFFFF	00000000	01D6B663	80000000	F5051122
P10	E7A3BFFF	0109FC4B	C4FFFFFF	0	00FFFFFF	00000000	01AD6CC6	00000000	F5EA0R31
P10	39E8EFFF	0113A6EF	C9FFFFFF	0	00FFFFFF	00000000	00000000	80000000	F5D4B621
P10	AE7A3BFF	01F1C433	C2FFFFFF	0	00FFFFFF	00000000	00000000	80000000	F5085310
P11	2E7A3C00	01FA1744	02FFFFFF	1	00FFFFFF	FFFFFFF	0029499C	00000000	F5000000
P12	2E7A3C00	002360E1	02FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF	F5FFFFFF
P13	352360E1	00000000	02FFFFFF	1	00FFFFFF	00000000	00000000	00000000	F5000000
P15	352360E1	00000000	02FFFFFF	1	00FFFFFF	00000000	00000000	00000000	F5000000

00111

SIGMA LOGIC SIMULATION, FMS, CASE 0010									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	BCA5A5F3	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	BCA5A5F3	00000000	BCA5A5F3	0	00000000	00000000	00000000	FF000000	00000000
P02	43000000	01A5A5F3	43A5A5F3	0	00000000	03FD4FC7	00FD4FC7	80000000	00000000
P03	00000000	00000000	1CF9697C	1	01A5A5F3	00000000	00FD4FC7	FFFFFFFF	C6FFFFFF
P09	00000000	00000000	04FA5A5F	0	01A5A5F3	00000000	00FD4FC7	00000000	C6000000
P10	C0000000	003F53F1	0DFE9697	1	00E9697C	FFFFFFFF	0102B038	00000000	C6000000
P10	4FFFFFFFF	01CF78F2	C3FFA5A5	1	00FA5A5F	00000000	00FD4FC7	60000000	C6010818
P10	4BFFFFFFFF	01CCFCFB	CCFFE969	0	00FE9697	00000000	00000000	20000000	C666A469
P10	9AFFFFFFFF	01EA9AE8	CFFFA5A5	0	00FFA5A5	FFFFFFFF	00056071	80000000	C6224224
P10	79400000	01736E2F	07FFFE96	0	00FFFE96	FFFFFFFF	0102B038	407FFFFFF	C6112130
P10	F2F00000	01183FC9	05FFFA55	0	00FFFA5A	FFFFFFFF	00056071	3E8FFFFFF	C689901C
P10	0CEC0000	016533E9	09FFFE99	0	00FFFE96	FFFFFFFF	00056071	FF7FFFFFF	C604982C
P10	03180000	015937ED	0AFFFFFFA	0	00FFFFFFA	FFFFFFFF	0102B038	FFFFFFFF	C6029834
P10	40C6C000	01164688	06FFFFFFE	0	00FFFFFFE9	FFFFFFFF	0102B038	7FFFFFFF	C681581E
P10	8031B000	012568A7	05FFFFFFF	0	00FFFFFFA	FFFFFFFF	00056071	3FFFFFFF	C681281C
P10	9C0C6C00	016848F2	09FFFFFFF	0	00FFFFFFE	FFFFFFFF	00056071	DFFFFFFF	C602841A
P10	6F031B00	015BE726	0AFFFFFFF	0	00FFFFFFF	00000000	00000000	6FFFFFFF	C6003039
P11	DF031B00	015C175F	0AFFFFFFF	1	00FFFFFFF	00000000	00FD4FC7	00000000	C6000000
P12	DF031B00	00596726	0AFFFFFFF	1	00FFFFFFF	00000000	00000000	FFFFFFFF	C6FFFFFF
P13	06A698D9	00000000	0AFFFFFFF	1	00FFFFFFF	00000000	00000000	FF000000	C6000000
P15	F9A698D9	00000000	0AFFFFFFF	1	00FFFFFFF	00000000	00000000	00000000	C6000000

00112

SIGMA LOGIC SIMULATION, FMS, CASE 0011									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	2C6E4866	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	2C6E4866	00000000	2C6E4866	0	00000000	00000000	00000000	FF000000	00000000
P02	2C000000	006E4866	2C6E4866	0	00000000	41331C1F	00331C1F	80000000	00000000
P03	00000000	00000000	0B189219	0	006E4866	00000000	00331C1F	00000000	E0000000
P09	00000000	00000000	0206E486	0	006E4866	00000000	0066383E	00000000	E0000000
P10	80000000	00198E0F	08C1B921	0	001B9219	00000000	00331C1F	00000000	F0000000
P10	20000000	000AA484	06C06E48	0	0006E486	00000000	0066383E	80000000	E0888007
P10	68000000	001906AF	09C01B92	0	001B9219	00000000	00331C1F	00000000	E0055203
P10	DA000000	000BD22C	06C06E48	0	0006E486	00000000	00000000	80000000	E0888007
P10	D6800000	0000DA4A	01C001B9	0	0001B921	00000000	0066383E	40000000	E0044102
P10	A5A00000	0018ABDD	08C006AF	0	00006E48	00000000	00000000	20000000	E0022805
P10	21680000	0006A0F6	0200001B	0	000001B9	00000000	00331C1F	90000000	F000140P
P10	EC5A0000	00006A3A	04C00006	1	00000006	00000000	0066383E	00000000	F0010A0B
P10	FB168000	001A9A03	03000001	1	0000001B	FFFFFFFF	01CCE3E0	00000000	E0029510
P10	813A5FFF	01F5383F	CE000000	0	00000006	FFFFFFFF	01CCE3E0	F0884000	E0054880
P10	E003B800	010F2417	05000000	0	00000001	00000000	0066383E	7F00AFFF	E0F2B500
P10	678385FF	01E7EA7E	C6000000	0	00000000	00000000	00000000	3068D400	E0331A0B
P11	97EC5A00	00160489	06000000	0	00000000	03000000	00000000	00000000	F0000000
P12	97EC5A00	00160489	06000000	0	00000000	00000000	00000000	FFFFFFFF	F0FFFFFF
P13	20160489	00000000	06000000	0	00000000	00000000	00000000	00000000	E0000000
P15	20160489	00000000	06000000	0	00000000	00000000	00000000	00000000	F0000000

00113

SIGMA LOGIC SIMULATION, FMS, CASE 0012

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	57A63427	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	57A63427	00000000	57A63427	0	00000000	00000000	00000000	FF000000	00000000
P02	57000000	00A63427	57A63427	0	00000000	035CDBC7	005CDBC7	80000000	00000000
P03	00000000	00000000	15298D09	1	00A63427	00000000	005CDBC7	00000000	DA000000
P09	00000000	00000000	05CA6342	0	00A63427	FFFFFFFF	01A32438	00000000	DA000000
P10	3FFFFFFF	01E8C90E	C0C298D0	0	00298D09	00000000	00E9B78E	00000000	DA000000
P10	0FFFFFFF	01D45FA0	C700A634	0	000A6342	00000000	00E9B78E	00000000	DA544087
P10	43FFFFFF	01CE6A2A	C900298D	0	000298D0	00000000	00000000	00000000	DA6A28C3
P10	50FFFFFF	01E9107A	C2000A63	0	0000A634	00000000	00000000	00000000	DA251501
P10	D43FFFFFF	01F3015E	C0C00298	1	0000298D	00000000	005CDBC7	00000000	DA108800
P10	750FFFFFF	01EFD4A6	C4C00CA6	0	00000A63	FFFFFFFF	01A32438	00000000	DA2844A3
P10	62BC0000	0119200F	00C00029	0	00000298	00000000	005CDBC7	3A87FFFF	DA05A251
P10	560FFFFFF	01E41526	C30000CA	0	000000A6	00000000	00E9B78E	08010000	DA2ED5A3
P10	F1D33FFF	01DCC0C2	C8000002	0	00000029	00000000	005CDBC7	80008000	DA564AD3
P10	8E748FFF	01F59335	C6000000	0	0000000A	00000000	00E9B78E	C0004000	DA2E6DE1
P10	8F9DC3FF	01D89256	C9000000	0	00000002	00000000	00E9B78E	00000000	DA5ED8D2
P10	93E75CFF	01CFFF82	CAC00000	0	00000000	00000000	00000000	40000000	DA6C49E9
P11	D3E75100	003C496D	0A000000	0	00000000	00000000	00000000	00000000	DA000000
P12	D3E75100	003C496D	0A000000	0	00000000	00000000	00000000	FFFFFFFF	DAFFFFFF
P13	1A3C496D	00000000	0A000000	0	00000000	00000000	00000000	00000000	DA000000
P15	1A3C496D	00000000	0A000000	0	00000000	00000000	00000000	00000000	DA000000

00114

SIGMA LOGIC SIMULATION, FMS, CASE 0013

TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	2878C1F3	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	2878C1F3	00000000	2878C1F3	0	00000000	00000000	00000000	FF000000	00000000
P02	28000000	0078C1F3	2878C1F3	0	00000000	1057CF8E	0057CF8E	80000000	00000000
P03	00000000	00000000	0A1E307C	1	0078C1F3	00000000	0057CF8E	00000000	C4000000
P09	00000000	00000000	02078C1F	0	0078C1F3	FFFFFFFF	01A83071	00000000	C4000000
P10	7FFFFFFF	01EA001C	0CC1E307	1	001E307C	00000000	0057CF8E	00000000	C4000000
P10	9FFFFFFF	01EF70F4	C30078C1	1	00078C1F	FFFFFFFF	01A83071	00000000	C4210606
P10	D8000000	011991A4	CC001F3C	0	0001E307	00000000	00000000	4FFFFFFF	C4D49832
P10	A5FFFFFF	01F34265	CF00078C	0	000078C1	00000000	00AF9F1C	24000000	C4084810
P10	607FFFFFF	01D5255A	C70001E3	0	00001E30	00000000	00000000	12000000	C455A5CA
P10	1C9FFFFFF	01E02014	C1000078	1	0000078C	00000000	00000000	00000000	C47A9285
P10	4727FFFF	01F2ACA4	C000001E	0	000001E3	FFFFFFFF	01A83071	00000000	C4100002
P10	EE360000	0112A735	0CC00007	0	00000078	00000000	0057CF8E	2393FFFF	C4D81C10
P10	F3697FFF	01E75E2A	C3000001	1	0000001E	00000000	00AF9F1C	11090000	C429438A
P10	389A1FFF	01086CAF	C8000000	0	00000007	FFFFFFFF	01A83071	08848000	C457AF85
P10	F3F8D80C	01C9FF06	0E000000	0	00000001	00000000	00AF9F1C	9C4E4FFF	C4E1C052
P10	1BEDA5FF	01D29C26	C7000000	0	00000000	00000000	00000000	48242400	C456CFA3
P11	6411CA00	00296B01	07000000	0	00000000	00000000	00000000	00000000	C4000000
P12	6411CA00	00296B01	07000000	0	00000000	00000000	00000000	FFFFFFFF	C4FFFFFF
P13	04296B01	00000000	07000000	0	00000000	00000000	00000000	00000000	C4000000
P15	04296B01	00000000	07000000	0	00000000	00000000	00000000	00000000	C4000000

00115

SIGMA LOGIC SIMULATION, FMS, CASE 0014

TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	3F1301C0	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	3F1301C0	00000000	3F1301C0	0	00000000	00000000	00000000	FF000000	00000000
P02	3F000000	001301C0	3F1301C0	0	00000000	2F7A421E	007A421E	80000000	00000000
P03	00000000	00000000	0F04C070	0	001301C0	00000000	0185BDE1	FFFFFFF	EEEEFFFF
P09	00000000	00000000	03C1301C	0	001301C0	00000000	00000000	00000000	EE000000
P10	00000000	00000000	00004C07	0	0004C070	00000000	00000000	00000000	EE000000
P10	00000000	00000000	00001301	1	0001301C	00000000	00000000	00000000	EE000000
P10	00000000	00000000	000004C0	0	00004C07	00000000	0185BDE1	00000000	EE000000
P10	40000000	01E16F78	0C000130	0	00001301	FFFFFFF	00F4843D	00000000	EF000000
P10	6FFFFFFF	01C57AD1	C700004C	0	000004C0	00000000	00000000	20000000	EF70021C
P10	53FFFFFF	01ED5E33	C1000013	0	00000130	00000000	00000000	10000000	EE200108
P10	D0FFFFFF	01F357CE	C0000004	1	0000004C	00000000	00000000	08000000	EE100000
P10	B63FFFFFF	01FRD5F3	C0000001	0	00000013	00000000	0185BDE1	00000000	EF080000
P10	AD8FFFFFF	011D5A04	C0000000	0	00000004	FFFFFFF	007A421E	80000000	ECC44AF0
P10	B49C0000	01E8D48A	03C00000	0	00000001	FFFFFFF	007A421E	56C7FFFF	EE2E250A
P10	87690000	01EF2CEB	04000000	0	00000000	00000000	00000000	7B6FFFFFF	EE35270D
P10	BFC1BFFF	01F683B9	C1000000	0	00000000	00000000	00000000	81B48000	EE129004
P11	40B64000	000913BE	01C00000	0	00000000	00000000	00000000	00000000	EE000000
P12	40B64000	000913BE	01000000	0	00000000	00000000	00000000	FFFFFFF	EEEEFFFF
P13	0B640000	00913BE4	02000000	0	00000000	00000000	00000000	FFFFFFF	E0FFFFFF
P13	2D6EC41B	00000000	02000000	0	00000000	00000000	00000000	FF000000	E0000000
P15	D26EC41B	00000000	02000000	0	00000000	00000000	00000000	00000000	E0000000

00116

SIGMA LOGIC SIMULATION, FMS, CASE 0015

TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	1C3F1C73	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1C3F1C73	00000000	1C3F1C73	0	00000000	00000000	00000000	FF000000	00000000
P02	1C000000	003F1C73	1C3F1C73	0	00000000	2E6C2030	006C2030	80000000	00000000
P03	00000000	00000000	070FC71C	1	003F1C73	00000000	0193DFCF	FFFFFFF	CAFFFFFF
P09	00000000	00000000	0103F1C7	0	003F1C73	00000000	0193DFCF	00000000	CA000000
P10	C0000000	01E4F7F3	0C00FC71	1	000FC71C	FFFFFFF	006C2030	00000000	CA000000
P10	FFFFFFF	01E235F0	C3003F1C	0	0003F1C7	00000000	0193DFCF	60000000	CA321C18
P10	EBFFFFFF	0110FF89	C0000FC7	0	0000FC71	FFFFFFF	000B4061	20000000	CAD90AEC
P10	0D000000	01C460C1	C70003F1	1	00003F1C	00000000	00000000	F5FFFFFF	CA6C2574
P10	7E3FFFFFF	01FA121D	C10000FC	0	00000FC7	00000000	0193DFCF	02800000	CA2212A0
P10	9F7FFFFFF	0116F7D4	CC00003F	0	000003F1	FFFFFFF	000B4061	81000000	CAD10946
P10	F8740000	01C7EFC	0700000F	1	000000FC	00000000	00000000	00000000	CA6820A2
P10	ADF8FFFF	01ERF3C7	C1000003	1	0000003F	00000000	0193DFCF	240A0000	CA201050
P10	227CBFFF	01160F16	CC000000	0	0000000F	00000000	00000000	92040000	CAD1E9E3
P10	6C1E2FFF	01F1F98D	CF000000	0	00000003	00000000	00000000	01020000	CA0804R1
P10	1B470BFF	01FE7F4F	CF000000	0	00000000	FFFFFFF	006C2030	80010000	CA000040
P10	D92E7D00	01F497CF	C3000000	0	00000000	00000000	00000000	4DA385F0	CA361020
P11	26D20300	001AA7F0	03C00000	0	00000000	00000000	00000000	00000000	CA000000
P12	26D20300	001AA7F0	03C00000	0	00000000	00000000	00000000	FFFFFFF	CAFFFFFF
P13	0AE5580F	00000000	03C00000	0	00000000	00000000	00000000	FF000000	CA000000
P15	F5E5580F	00000000	03C00000	0	00000000	00000000	00000000	00000000	CA000000

00117

SIGMA LOGIC SIMULATION, FMS, CASE 0016

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	41659CC1	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	41659CC1	00000000	41659CC1	0	00000000	00000000	00000000	FF000000	00000000
P02	41000000	00659CC1	41659CC1	0	00000000	0B67F5A8	0067F5A8	80000000	00000000
P03	00000000	00000000	10196730	0	00659CC1	00000000	0067F5A8	00000000	CC000000
P09	00000000	00000000	040659CC	0	00659CC1	00000000	0067F5A8	00000000	CC000000
P10	00000000	0019FD6A	05019673	0	00196730	00000000	00000000	00000000	CC000000
P10	80000000	00067F5A	0100659C	1	000659CC	00000000	00000000	00000000	CC000000
P10	AC000000	00019FD6	00001967	0	00019673	FFFFFFFF	01980A57	00000000	CC000000
P10	57FFFFFF	01F66560	CC000659	1	0000659C	00000000	0067F5A8	50000000	CC00052B
P10	C1FFFFFF	01E06578	C3000196	0	00001967	FFFFFFFF	01980A57	28000000	CC333294
P10	C5800000	0117D76E	0C000065	0	00000659	00000000	00CFEB50	74FFFFFF	CC08112A
P10	2C5FFFFFF	01C14B45	C7000019	0	00000196	00000000	00CFEB50	22400000	CC6D69B5
P10	0387FFFF	01D8F268	C9000006	0	00000006	00000000	0067F5A8	90200000	CC66B5AA
P10	A4E9FFFF	01F66C9A	C6000001	0	00000019	00000000	0067F5A8	00000000	CC337AD4
P10	A93A7FFF	01E8B8F9	C5000000	0	00000006	00000000	00CFEB50	00000000	CC3BBE4C
P10	6A4E9FFF	01C73B79	C9000000	0	00000001	00000000	0067F5A8	00000000	CC75DD2C
P10	5A93A7FF	01F544FF	C6000000	0	00000000	00000000	00000000	00000000	CC33FE94
P11	5A93A800	00294393	06000000	0	00000000	00000000	00000000	00000000	CC000000
P12	5A93A800	00294393	06000000	0	00000000	00000000	00000000	FFFFFFFF	CCFFFFFF
P13	0C294393	00000000	06000000	0	00000000	00000000	00000000	00000000	CC000000
P15	0C294393	00000000	06000000	0	00000000	00000000	00000000	00000000	CC000000

00118

SIGMA LOGIC SIMULATION, FMS, CASE 0017

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	CFCF7C1C	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	CFCF7C1C	00000000	CFCF7C1C	0	00000000	00000000	00000000	FF000000	00000000
P02	30000000	01CF7C1C	30CF7C1C	0	00000000	41A80AFD	00A80AFD	80000000	00000000
P03	00000000	00000000	0CF3DF07	0	01CF7C1C	00000000	00A80AFD	FFFFFFFF	F1FFFFFF
P09	00000000	00000000	03FCF7C1	1	01CF7C1C	00000000	00000000	00000000	F1000000
P10	00000000	00000000	0CF3DF07	0	0CF3DF07	00000000	00A80AFD	00000000	F1000000
P10	40000000	002AC0BF	0CF3DF07	0	0CF3DF07	FFFFFFFF	00AFEAO5	00000000	F1000000
P10	AF000000	01A17A2E	C7FFF3DF	0	0CF3DF07	00000000	00000000	AC000000	F1150102
P10	03FFFFFF	01E01FCB	C1FFF3DF	1	0CF3DF07	00000000	00000000	50000000	F1008001
P10	94FFFFFF	01FB67B2	C0FFF3DF	1	0CF3DF07	00000000	00A80AFD	80000000	F1000000
P10	C53FFFFFF	01D4D353	CCFFF3DF	0	0CF3DF07	00000000	00000000	40000000	F1540158
P10	E14FFFFFF	01E03682	CF0FFF3	1	0CF3DF07	FFFFFFFF	00AFEAO5	20000000	F12A00A8
P10	CFAC0000	0159770B	C7FFF3DF	1	0CF3DF07	00000000	00A80AFD	70A7FFFF	F1551140
P10	AFC2FFFF	01E9192D	C0FFFFFF	0	0CF3DF07	00000000	00000000	AC500000	F12C89A4
P10	43E43FFF	01F164A2	CF0FFFFFF	1	0CF3DF07	FFFFFFFF	0157F502	50210000	F1140499
P10	BB0EB000	012CA54C	03FFFFFF	0	0CF3DF07	00000000	00A80AFD	29F29FFF	F1AAB241
P10	24BF0BFF	01CR877C	CCFFFFFF	0	0CF3DF07	00000000	00000000	94A14800	F1545126
P11	B9405400	001FDR42	CCFFFFFF	1	0CF3DF07	00000000	00000000	00000000	F1000000
P12	B9405400	001FDR42	CCFFFFFF	1	0CF3DF07	00000000	00000000	FFFFFFFF	F1FFFFFF
P13	31E02750	00000000	CCFFFFFF	1	0CF3DF07	00000000	00000000	FF000000	F1000000
P15	CEE02750	00000000	CCFFFFFF	1	0CF3DF07	00000000	00000000	00000000	F1000000

00119

SIGMA LOGIC SIMULATION, FMS, CASE 0018									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	D256BCA9	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	D256BCA9	00000000	D256BCA9	0	00000000	00000000	00000000	FF000000	00000000
P02	2D000000	0156BCA9	2D56BCA9	0	00000000	4EDC09A5	00DC09A5	80000000	00000000
P03	00000000	00000000	08D5AF2A	0	0156BCA9	00000000	0123F65A	00000000	FB000000
P09	00000000	00000000	02F56BCA	0	0156BCA9	00000000	0123F65A	00000000	FB000000
P10	80000000	01C8F096	C4FD5AF2	0	00D5AF2A	00000000	0047ECB4	00000000	FB000000
P10	A0000000	0163C448	09FF56BC	0	00F56BCA	00000000	0047ECB4	00000000	FB20764A
P10	A8000000	014117AD	0AFFD5AF	0	00FD5AF2	00000000	0047ECB4	00000000	FB31F224
P10	6A000000	014DC24F	0AFF56B	1	00FF56BC	00000000	00000000	00000000	FB20FB52
P10	5A800000	01DR4F47	02FFF05A	1	00FFD5AF	FFFFFFF	00DC09A5	00000000	FB006121
P10	E95FFFFF	01C1C9B0	0FFFF56	1	00FF56B	00000000	00000000	AD400000	FB6C2492
P10	9107FFFF	01ER7948	0FFFFD5	1	00FFD5A	FFFFFFF	00DC09A5	54A00000	FB200048
P10	4E960000	01C5DCA9	0BFFFFFF	0	00FFFF56	FFFFFFF	00DC09A5	6AD3FFFF	FB7404A4
P10	36E80000	01DB746A	0AFFFFFF	0	00FFFFD5	00000000	0047ECB4	B76BFFFF	FB6A0652
P10	20615FFF	017DA7A3	06FFFFFF	0	00FFFFFF	00000000	0123F65A	1B354000	FB25B239
P10	0ED507FF	011FF8F0	05FFFFFF	0	00FFFFFFD	00000000	0123F65A	8C10A000	FB92D81D
P10	E38169FF	012BF56D	05FFFFFF	0	00FFFFFF	00000000	00000000	00080000	FB897D2C
P11	E3B96A00	01B57299	05FFFFFF	1	00FFFFFF	FFFFFFF	00DC09A5	00000001	FB000000
P12	E3B96A00	00917C3F	05FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF	FBFFFFFF
P13	3B917C3F	00000000	05FFFFFF	1	00FFFFFF	00000000	00000000	00000000	FB000000
P15	3B917C3F	00000000	05FFFFFF	1	00FFFFFF	00000000	00000000	00000000	FB000000

00120

SIGMA LOGIC SIMULATION, FMS, CASE 0019									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	34284031	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	34284031	00000000	34284031	0	00000000	00000000	00000000	FF000000	00000000
P02	34000000	00284031	34284031	0	00000000	385F8073	005F8073	80000000	00000000
P03	00000000	00000000	000A1000	0	00284031	00000000	005F8073	00000000	EC000000
P09	00000000	00000000	03028403	0	00284031	00000000	005F8073	00000000	EC000000
P10	C0000000	0017E01C	0400A100	1	000A1000	00000000	00000000	00000000	EC000000
P10	30000000	0005F807	01002840	0	00028403	FFFFFFF	01A07F8C	00000000	EC000000
P10	F3FFFFFF	01E961E2	0000CA10	0	000CA100	00000000	005F8073	18000000	EC003002
P10	FAFFFFFF	01ENB764	03000284	0	00002840	00000000	00000000	08000000	EC249031
P10	7CBFFFFFF	01F24905	00000CA1	0	0000CA10	00000000	00000000	04000000	EC124810
P10	5E2FFFFFF	01F80071	00000284	0	00000284	00000000	00000000	02000000	EC092408
P10	570BFFFF	01FC491E	000000CA	0	000000CA	00000000	005F8073	01000000	EC040000
P10	5582FFFF	01E9F25B	04000002	0	00000028	00000000	00000000	00800000	EC2E0009
P10	9540BFFF	01F1FC94	01000000	0	0000000A	00000000	00000000	80400000	EC140004
P10	85402FFF	01D6BF1D	00000000	0	00000002	00000000	00BF00E6	40200000	EC5A8042
P10	71580BFF	01CCCFEE	0A000000	0	00000000	00000000	00000000	00000000	EC6F4023
P10	5C5602FF	01E8E3F3	00000000	0	00000000	00000000	00000000	00000000	EC262011
P11	5C560300	00F0404	02000000	0	00000000	00000000	00000000	00000000	EC000000
P12	5C560300	00F0404	02000000	0	00000000	00000000	00000000	FFFFFFF	ECFFFFFF
P13	5C560300	00F0405	04000000	0	00000000	00000000	00000000	FFFFFFF	FBFFFFFF
P13	2BF04045	00000000	04000000	0	00000000	00000000	00000000	00000000	EC000000
P15	2BF04045	00000000	04000000	0	00000000	00000000	00000000	00000000	EC000000

00121

SIGMA LOGIC SIMULATION, FMS, CASE 0020									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	AFA041E6	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	AFA041E6	00000000	AFA041E6	0	00000000	00000000	00000000	FF000000	00000000
P02	50000000	01A041E6	50A041E6	0	00000000	208E2FD4	008E2FD4	80000000	00000000
P03	00000000	00000000	14F81079	0	01A041E6	00000000	008E2FD4	FFFFFFFF	F0FFFFFF
P09	00000000	00000000	05FAC41E	0	01A041E6	FFFFFFFF	00E3A057	00000000	F0000000
P10	FFFFFFFF	0188E815	C9FE8107	0	00F81079	FFFFFFFF	0171D02B	00000000	F0000000
P10	80000000	C1324E0F	06FFA041	1	00FA041E	FFFFFFFF	00E3A057	FFFFFFFF	F0986000
P10	20000000	C1526396	C9FFE810	0	00FE8107	00000000	008E2FD4	FFFFFFFF	F0593003
P10	77FFFFFF	01E15F10	CEFFFA04	0	00FFA041	FFFFFFFF	00E3A057	10000000	F02D11C8
P10	26000000	0148F8A3	07FFFFE8	0	00FFE810	00000000	00000000	BBFFFFFF	F07088A9
P10	A77FFFFFF	01CEDCC2	C1FFFFA0	0	00FFFA04	00000000	00000000	91000000	F0204450
P10	8D9FFFFFF	01FBA624	C0FFFFE8	0	00FFFE81	FFFFFFFF	0171D02B	40800000	F0002220
P10	CC880000	0122950B	04FFFFFFA	0	00FFFA04	00000000	00000000	66CFFFFFF	F058D110
P10	EA9DFFFF	01E69106	C1FFFFFFE	0	00FFFE81	00000000	00000000	22440000	F0104880
P10	B2367FFF	01FDB661	C0FFFFFFF	0	00FFFFFFA	FFFFFFFF	00E3A057	11020000	F0000000
P10	9732E000	0147858D	08FFFFFFF	0	00FFFFFFE	FFFFFFFF	00E3A057	D99B3FFF	F070D020
P10	AC558800	0175307E	0AFFFFFFF	0	00FFFFFFF	00000000	00000000	EFD0FFFF	F031C002
P11	9C338800	01A6F081	0AFFFFFFF	1	00FFFFFFF	00000000	008E2FD4	00000000	F0000000
P12	9C338800	00352055	0AFFFFFFF	1	00FFFFFFF	00000000	00000000	FFFFFFFF	F0FFFFFF
P13	3DCAD2AA	00000000	0AFFFFFFF	1	00FFFFFFF	00000000	00000000	FF000000	F0000000
P15	C2CAD2AA	00000000	0AFFFFFFF	1	00FFFFFFF	00000000	00000000	00000000	F0000000

00122

SIGMA LOGIC SIMULATION, FMS, CASE 0021									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	1A96309E	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1A96309E	00000000	1A96309E	0	00000000	00000000	00000000	FF000000	00000000
P02	1A000000	0096309E	1A96309E	0	00000000	5296AF3E	0096AF3E	80000000	00000000
P03	00000000	00000000	06258F67	0	0096309E	00000000	01A950C1	FFFFFFFF	FCFFFFFF
P09	00000000	00000000	01096309	1	0096309E	FFFFFFFF	01205E7D	00000000	EC000000
P10	7FFFFFFF	0C48579F	C80258F6	0	00258F67	00000000	016950C1	00000000	EC000000
P10	9FFFFFFF	01C88107	CE00963D	0	002963D9	FFFFFFFF	01205E7D	80000000	EC24AR40
P10	80000000	01F050FA	0700258F	0	00258F67	FFFFFFFF	01205E7D	FFFFFFFF	EC96442A
P10	62000000	01A2D1EB	09000963	1	000963D9	FFFFFFFF	0096AF3E	7FFFFFFF	ECDA2E3D
P10	38000000	01F3943A	06000258	1	000258F6	00000000	016950C1	8FFFFFFF	EC49579F
P10	210FFFFFF	0134E4D9	C0000096	0	00000096	00000000	00000000	9C400000	EC84AA40
P10	2F67FFFF	01E013A5	CF000025	0	00000258	FFFFFFFF	0096AF3E	80200000	EC1A5024
P10	D42EC000	010B302F	03000009	0	00000096	FFFFFFFF	01205E7D	57B3FFF	EC490990
P10	1F188000	01AFDR30	03000002	0	00000025	FFFFFFFF	0096AF3E	EB0FFFF	ECA4809F
P10	42CE2000	01E77F64	06000000	0	00000009	FFFFFFFF	0096AF3E	7FFFFFFF	EC53479F
P10	70878800	01C8A581	05000000	0	00000002	FFFFFFFF	01205E7D	3FF7FFF	EC6BB79F
P10	EC2FE200	01A39314	09000000	0	00000000	00000000	00000000	BFF8FFF	EC34D02E
P11	AC2BE200	00586FF3	09000000	0	00000000	00000000	00000000	00000000	EC000000
P12	AC2BE200	00586FF3	09000000	0	00000000	00000000	00000000	FFFFFFFF	FCFFFFFF
P13	2CA79100	00000000	09000000	0	00000000	00000000	00000000	FF000000	EC000000
P15	D3A79100	00000000	09000000	0	00000000	00000000	00000000	00000000	EC000000

00123

SIGMA LOGIC SIMULATION, FMS, CASE 0022

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	28741B96	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	28741B96	00000000	28741B96	0	00000000	00000000	00000000	FF000000	00000000
P02	28000000	00741B96	28741B96	0	00000000	47630A6B	00630A6B	80000000	00000000
P03	00000000	00000000	0A1D06E5	0	00741B96	00000000	00630A6B	00000000	EF000000
P09	00000000	00000000	020741B9	0	00741B96	00000000	00C614D6	00000000	EF000000
P10	80000000	00318535	08C1D06E	0	001D06E5	00000000	00630A6B	00000000	EF000000
P10	A0000000	0014A3D7	06C0741B	0	000741B9	00000000	00630A6B	80000000	EF108010
P10	08000000	0019CA6B	05C01DC6	1	0001DC6E	00000000	00C614D6	C0000000	EF084129
P10	32000000	0035E7E5	09C00741	1	0000741B	FFFFFFFF	019CF594	80000000	EF042035
P10	137FFFFFF	01E84C91	CEC001D0	0	0001D06E	FFFFFFFF	019CF594	D9000000	FF0A72DA
P10	CD600000	011F72F7	0BC00C74	0	0000C741	00000000	00C614D6	6DBFFFFFF	EF053A48
P10	6837FFFF	01C7171A	C6C00C1D	0	000001D0	00000000	00000000	26900000	EF63996B
P10	53A9FFFF	01E9239C	C1C00007	0	00000074	00000000	00000000	10080000	EF218885
P10	50E87FFF	01F22AC6	C0000001	1	0000001D	00000000	00630A6B	08040000	EF108042
P10	D63B1FFF	01E0683B	C4C00000	0	00000007	FFFFFFFF	019CF594	00000000	EF390521
P10	8A713800	01116623	0DC00000	0	00000001	00000000	00C614D6	EB1D8FFF	EF0C3298
P10	585B2DFF	01C2D01B	C7C00000	0	00000000	00000000	00000000	45088400	EF6A1B49
P11	9D63B200	002CEB64	07C00000	0	00000000	00000000	00C00000	00000000	EF000000
P12	9D63B200	002CEB64	07C00000	0	00000000	00000000	00C00000	FFFFFFFF	FFFFFFFF
P13	2F2CEB64	00000000	07C00000	0	00000000	00000000	00000000	00000000	EF000000
P15	2F2CFB64	00000000	07C00000	0	00000000	00000000	00000000	00000000	EF000000

00124

SIGMA LOGIC SIMULATION, FMS, CASE 0023

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	035216FB	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	035216FB	00000000	035216FB	0	00000000	00000000	00000000	FF000000	00000000
P02	03C00000	005216FB	035216FB	0	00000000	69A52CB0	00A52CB0	80000000	00000000
P03	00000000	00000000	001485BE	1	005216FB	00000000	00A52CB0	00000000	EF000000
P09	00000000	00000000	0005216F	1	005216FB	FFFFFFFF	015AD342	00000000	EF000000
P10	BFFFFFFF	01D6B4D0	CCC1485B	1	001485BE	FFFFFFFF	015AD342	00000000	EF000000
P10	90000000	012319E4	0BC05216	1	005216FB	00000000	00000000	5FFFFFFF	ECA94820
P10	33FFFFFF	01E29471	CEC0148B	1	0001485B	00000000	00000000	08000000	EF108410
P10	4FFFFFFF	01FC8418	CF000521	0	00005216	FFFFFFFF	015AD342	00000000	EF004208
P10	AC4C0000	01298554	03C00148	0	0001485B	00000000	014A597A	277FFFFFF	ECAC6104
P10	A2CFFFFFF	01B3EF4A	C6C00052	0	00000521	00000000	00A52CB0	12200000	EF94201A
P10	6C3BFFFF	01E088D7	C5C00014	0	00000148	00000000	00000000	01000000	EF5A9655
P10	934EFFFF	01EF83AC	C1C00005	0	00000052	00000000	014A597A	80000000	EF20482A
P10	0603BFFF	01A124BC	C8C00001	0	00000014	00000000	00000000	40000000	EF852495
P10	51B4EFFF	01C5008A	C2C00000	0	00000005	00000000	00A52CB0	00000000	EF50924A
P10	546D3BFF	01C02F9F	C4C00000	0	00000001	00000000	00A52CB0	00000000	EF628045
P10	D51B4EFF	01C2F0D9	C5C00000	0	00000000	00000000	00000000	80000000	EF72164F
P11	551B4F00	0034F728	05C00000	0	00000000	00000000	00000000	00000000	EF000000
P12	551B4F00	0034F728	05C00000	0	00000000	00000000	00000000	FFFFFFFF	FFFFFFFF
P13	2C34F728	00000000	05C00000	0	00000000	00000000	00000000	00000000	EF000000
P15	2C34F728	00000000	05C00000	0	00000000	00000000	00000000	00000000	EF000000

00125

SIGMA LOGIC SIMULATION, FMS, CASE 0024									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	2508753F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	2508753F	00000000	2508753F	0	00000000	00000000	00000000	FF000000	00000000
P02	25000000	0008753F	2508753F	0	00000000	43043218	00043218	80000000	00000000
P03	00000000	0008753F	2508753F	0	0008753F	00000000	00000000	00000000	E8000000
P04	00000000	0008753F	2508753F	0	0008753F	00000000	00000000	00000000	E7000000
P05	00000000	00000000	2508753F	0	0008753F	00000000	00043218	00000000	E7000000
P06	00000000	00432180	2508753F	0	0008753F	00000000	00043218	00000000	E6000000
P07	00000000	00000000	09021D4F	1	0008753F	00000000	00432180	00000000	E6000000
P09	00000000	00000000	02008753	1	0008753F	FFFFFFFF	01BCDE7F	00000000	E6000000
P10	FFFFFFFF	01EF379F	000021D4	1	00021D4F	00000000	00000000	00000000	E6000000
P10	FFFFFFFF	01FBCDE7	CF000875	0	00008753	00000000	00000000	00000000	E6000000
P10	FFFFFFFF	01FEF379	CF00021D	0	000021D4	00000000	00432180	00000000	E6000000
P10	7FFFFFFFF	01EF74BE	C3000087	0	00000875	00000000	00432180	00000000	E6211080
P10	9FFFFFFFF	01E3516F	C4000021	1	0000021D	00000000	00432180	00000000	E6319840
P10	E7FFFFFFFF	01E47A2B	C5000008	0	00000087	FFFFFFFF	01BCDE7F	00000000	E63188A0
P10	06000000	011A4B3D	0D000002	0	00000021	00000000	00864300	F3FFFFFFFF	E6DA6015
P10	3D7FFFFFFFF	01C1994A	C7000000	0	00000008	00000000	00000000	81000000	E64D258A
P10	2F1FFFFFFFF	01E72F30	C1000000	0	00000002	00000000	00864300	0C800000	E6208085
P10	4BE7FFFFFFFF	01D07B2D	C8000000	0	00000000	00000000	00000000	00000000	E6530180
P11	4BE80C00	00237CAD	08000000	0	00000000	00000000	00000000	00000000	E6C00000
P12	4BE80C00	00237CAD	08000000	0	00000000	00000000	00000000	FFFFFFFF	E6FFFFFF
P13	26237CAD	00000000	08000000	0	00000000	00000000	00000000	00000000	E6C00000

00126

SIGMA LOGIC SIMULATION, FMS, CASE 0024									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P15	26237CAD	00000000	08000000	0	00000000	00000000	00000000	00000000	E6C00000

00127

SIGMA LOGIC SIMULATION, FMS, CASE 0025

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	2182FDD8	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	2182FDD8	00000000	2182FDD8	0	00000000	00000000	00000000	FF000000	00000000
P02	21000000	00F2FDD8	2182FDD8	0	00000000	4A1FEA60	001FEA60	80000000	00000000
P03	00000000	00000000	0820BF76	0	0082FDD8	00000000	001FEA60	00000000	EB000000
P09	00000000	00000000	02082FDD	0	0082FDD8	00000000	00000000	00000000	EB000000
P10	00000000	00000000	00C20BF7	0	0020BF76	00000000	003FD4C0	00000000	EB000000
P10	00000000	000FF530	080082FC	1	00082FDD	00000000	001FEA60	00000000	EB000000
P10	00000000	000407D4	060020BF	0	00020BF7	FFFFFFFF	01E0159F	00000000	EB07FC10
P10	FFFFFFFF	01F8F896	CD00082F	1	000082FD	00000000	003FD4C0	00000000	EB020ACA
P10	3FFFFFFFF	01F149A7	C700020B	1	000020BF	FFFFFFFF	01E0159F	00000000	EB1D6C61
P10	70000000	01C30C16	0D000082	1	0000082F	00000000	00000000	9FFFFFFFF	EBF8A6D3
P10	7BFFFFFFFF	01FEEAE1	CF000020	1	00000020	00000000	00000000	08000000	EB000209
P10	1CFFFFFFFF	01FFBA2E	CF000008	0	00000082	FFFFFFFF	01E0159F	84000000	EB000100
P10	59C00000	0107EBAC	0B000002	0	00000020	00000000	001FEA60	4E7FFFFFF	EBF00887
P10	C5EFFFFFF	01FA0252	C2000000	0	00000008	00000000	00000000	24200000	EB0BF552
P10	3873FFFF	01FC7DC0	C0000000	0	00000002	00000000	003FD4C0	02100000	EB050029
P10	4E98FFFF	01F1AA4A	C8000000	0	00000000	00000000	00000000	00080000	EB1EAA60
P11	4EA10000	001054AA	08000000	0	00000000	00000000	00000000	00000000	EB000000
P12	4EA10000	001054AA	08000000	0	00000000	00000000	00000000	FFFFFFFF	EBFFFFFF
P13	2B1054AA	00000000	08000000	0	00000000	00000000	00000000	00000000	EB000070
P15	2B1054AA	00000000	08000000	0	00000000	00000000	00000000	00000000	EB000000

00128

SIGMA LOGIC SIMULATION, FMS, CASE 0026

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	17DA99E6	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	17DA99E6	00000000	17DA99E6	0	00000000	00000000	00000000	FF000000	00000000
P02	17000000	00DA99E6	17DA99E6	0	00000000	5A0DC619	000DC619	80000000	00000000
P03	00000000	00000000	17DA99E6	0	00DA99E6	00000000	000DC619	00000000	F1000000
P06	00000000	000C6190	17DA99E6	0	00DA99E6	00000000	000DC619	00000000	F0000000
P07	00000000	00000000	0536A679	0	00DA99E6	00000000	000C6190	00000000	F0000000
P09	00000000	00000000	010DA99E	0	00DA99E6	00000000	01B8C320	00000000	F0000000
P10	00000000	006E37C8	08036A67	0	0036A679	00000000	00DC6190	00000000	F0000000
P10	00000000	002C9456	0600DA99	1	00DA99E6	00000000	01B8C320	00000000	F0261040
P10	80000000	006C91CD	090036A6	0	00036A67	FFFFFFFF	01239E6F	00000000	F0164820
P10	9FFFFFFFF	01D651E0	CE00DA99	0	0000DA99	00000000	01B8C320	00000000	F0134C36
P10	97FFFFFFFF	019F77BD	C700036A	0	000036A6	00000000	01B8C320	40000000	F0C92090
P10	75FFFFFFFF	01EBA503	C90000DA	0	00000DA9	00000000	000C6190	00000000	F0CC81D8
P10	DD7FFFFFFFF	01EAD052	C6000036	0	0000036A	00000000	01B8C320	00000000	F06E50C8
P10	875FFFFFFFF	018F13AE	C900000D	0	000000DA	00000000	01B8C320	00000000	F0F568A0
P10	ADD7FFFFF	01E0AECB	CAC00003	0	00000036	00000000	01B8C320	00000000	F0DEA1D0
P10	EB75FFFFF	01E5B83E	CAC00000	1	00000000	00000000	000C6190	00000000	F0DC51A0
P10	BADD7FFFF	01ED67CB	C6000000	0	00000000	FFFFFFFF	01239E6F	00000000	F06E38C8
P10	1148A000	01283198	C0000000	0	00000000	00000000	00000000	DD6EBFFF	F0B79C65
P11	EEB76000	01DFCE00	00000000	0	00000000	00000000	000C6190	00000000	F0000000
P12	EEB76000	00BC2F90	00000000	0	00000000	00000000	00000000	FFFFFFFF	F0FFFFFF
P13	30BC2F90	00000000	00000000	0	00000000	00000000	00000000	00000000	F0000000
P15	30BC2F90	00000000	00000000	0	00000000	00000000	00000000	00000000	F0000000

00129

SIGMA LOGIC SIMULATION, FMS, CASE 0027									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	15B897C4	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	15B897C4	00000000	15B897C4	0	00000000	00000000	00000000	FF000000	00000000
P02	15000000	00B897C4	15B897C4	0	00000000	41A766B3	00A766B3	80000000	00000000
P03	00000000	00000000	052E25F1	0	00B897C4	00000000	00A766B3	00000000	D6000000
P09	00000000	00000000	01CB897C	0	00B897C4	00000000	00000000	00000000	D6000000
P10	00000000	00000000	0002E25F	0	002E25F1	00000000	00A766B3	00000000	D6000000
P10	C0000000	0029D9AC	C400B897	1	000B897C	00000000	00000000	00000000	D6000000
P10	30000000	00CA766B	01002E25	1	0002E25F	FFFFFFFF	0158994C	00000000	D6000000
P10	F3FFFFFF	01D4B8C9	C000B89	0	0000B897	00000000	00000000	18000000	D6040824
P10	7AFFFFFF	01F42C0B	CF0002E2	0	00002E25	00000000	014EC066	08000000	D6020400
P10	5CBFFFFFF	01AF3967	C7000088	0	00000889	00000000	00A766B3	04000000	D6A30631
P10	562FFFFFF	01EA9679	C500002E	0	000002E2	00000000	014EC066	82000000	D6539319
P10	B50BFFFF	018DF0C1	C900000B	0	00000008	00000000	00000000	81000000	D6A548BC
P10	4D02FFFF	01C62F6F	C2000002	1	00000002E	00000000	014EC066	4C000000	D652A100
P10	4360BFFF	01B69082	C8000000	1	00000000B	FFFFFFFF	0158994C	20000000	D6A356B3
P10	6727D000	0113570F	0F000000	0	00000002	FFFFFFFF	0158994C	3100FFFF	D6D94841
P10	AA5A1C00	0124A1E4	0B000000	0	00000000	00000000	00000000	BBDBFFFF	D6ACACA6
P11	66360000	01D14F5B	0B000000	0	00000000	00000000	00A766B3	00000000	D6000000
P12	66360000	0078050E	0B000000	0	00000000	00000000	00000000	FFFFFFFF	D6FFFFFF
P13	1678B50E	00000000	03000000	0	00000000	00000000	00000000	00000000	D6000000
P15	1678B50E	00000000	03000000	0	00000000	00000000	00000000	00000000	D6000000

00130

SIGMA LOGIC SIMULATION, FMS, CASE 0028									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	136AF5B2	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	136AF5B2	00000000	136AF5B2	0	00000000	00000000	00000000	FF000000	00000000
P02	13000000	006AF5B2	136AF5B2	0	00000000	2609BAD5	00C9BAD5	80000000	00000000
P03	00000000	00000000	041ABD6C	0	006AF5B2	00000000	00C9BAD5	00000000	B9000000
P09	00000000	00000000	0106AF5B	0	006AF5B2	00000000	019375AA	00000000	B9000000
P10	80000000	0064BD6A	C8C1A8D6	1	001ABD6C	00000000	00000000	00000000	B9000000
P10	A0000000	0019375A	02006AF5	1	0006AF5B	FFFFFFFF	0136452A	00000000	B9000000
P10	17FFFFFF	01CRD09C	C0001ABD	0	001ABD6C	FFFFFFFF	0136452A	50000000	B9080285
P10	EE000000	013066CC	0B0006AF	0	00006AF5	00000000	019375AA	2BFFFFFF	B9852246
P10	317FFFFFF	018ACC48	C60001AB	1	00001ABD	00000000	00C9BAD5	15000000	B9CAB367
P10	891FFFFFF	01F2717E	C500006A	1	000006AF	FFFFFFFF	0136452A	88800000	B9650022
P10	BF980000	012C5A5D	0000001A	1	000001AB	00000000	00000000	44CFFFFFF	B9832A95
P10	3E05FFFF	01E70032	CF000000	1	0000000A	FFFFFFFF	0136452A	824A0000	B910050A
P10	900B8000	01306704	00000001	1	0000001A	FFFFFFFF	0136452A	5F6AFFFF	B9982295
P10	CC13A000	0127402E	CA000000	0	00000000	FFFFFFFF	0136452A	6FF0FFFF	B9993382
P10	97046800	012200A1	CA000000	0	00000001	00000000	019375AA	77FFFFFF	B99BA095
P10	883EE5FF	018AB627	C6000000	0	00000000	00000000	00000000	88823400	B9C99200
P11	43C11A00	005448F8	06000000	0	00000000	00000000	00000000	00000000	B9000000
P12	43C11A00	005448F8	06000000	0	00000000	00000000	00000000	FFFFFFFF	B9FFFFFF
P13	79000000	00000000	06000000	0	00000000	00000000	00000000	00000000	B9000000
P15	00000000	00000000	06000000	0	00000000	00000000	00000000	00000000	B9000000

00131

SIGMA LOGIC SIMULATION, FMS, CASE 0029

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	F3578058	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	F3578058	00000000	F3578058	0	00000000	00000000	00000000	FF000000	00000000
P02	0C000000	01578058	0C578058	0	00000000	51234034	00234034	80000000	00000000
P03	00000000	00000000	03D5E016	0	01578058	00000000	00234034	FFFFFFF	DDFFFFFF
P09	00000000	00000000	00F57805	0	01578058	00000000	00000000	00000000	DD000000
P10	00000000	00000000	00FD5E01	0	00D5E016	FFFFFFF	01B97F97	00000000	DD000000
P10	FFFFFFF	01EF5FE5	C8FF5780	0	00F57805	FFFFFFF	01DCBFCB	00000000	DD000000
P10	80000000	010CB80B	06FFD5EC	0	00FD5E01	FFFFFFF	01DCBFCB	FFFFFFF	DD000000
P10	20000000	010D8208	05FFF578	0	00FF5780	00000000	00000000	FFFFFFF	DD000000
P10	77FFFFFF	01FAF77B	C1FFF05E	0	00FF05E0	00000000	00000000	10000000	DD020100
P10	09FFFFFF	01FF3D9E	C0FFFF57	0	00FFFF57	00000000	00000000	08000000	DD010080
P10	847FFFFFF	01FFCF47	C0FFFF05	1	00FFFF05	FFFFFFF	01B97F97	04000000	DD000040
P10	13E00000	0111AC24	08FFFFFF	0	00FFFFFF	00000000	00234034	DA3FFFFF	DD0CA743
P10	F277FFFF	01FB92EC	CEFFFFFF	0	00FFFFFF	FFFFFFF	01B97F97	09100000	DD08D212
P10	41260000	01128FDA	07FFFFFF	0	00FFFFFF	FFFFFFF	01DCBFCB	7DBBFFFF	DD0CE94B
P10	80D88000	0104B656	05FFFFFF	0	00FFFFFF	FFFFFFF	01DCBFCB	BEDFFFFF	DD0E57F5
P10	3C7E2000	010D979E	05FFFFFF	0	00FFFFFF	00000000	00000000	DF6FFFFF	DD0E5BE3
P11	1BFE2000	01F3F382	05FFFFFF	1	00FFFFFF	00000000	00234034	00000000	DD000000
P12	1BFE2000	00173386	05FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF	DDFFFFFF
P13	1DE8CC4A	00000000	05FFFFFF	1	00FFFFFF	00000000	00000000	FF000000	DD000000
P15	E2F8CC4A	00000000	05FFFFFF	1	00FFFFFF	00000000	00000000	00000000	DD000000

00132

SIGMA LOGIC SIMULATION, FMS, CASE 0030

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	C08DDF82	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	C08DDF82	00000000	C08DDF82	0	00000000	00000000	00000000	FF000000	00000000
P02	3F000000	018DDF82	3F8DDF82	0	00000000	06AEF1A4	00AEF1A4	80000000	00000000
P03	00000000	00000000	0FE377E0	0	018DDF82	00000000	00AEF1A4	FFFFFFF	C6FFFFFF
P09	00000000	00000000	03F8DDF8	0	018DDF82	FFFFFFF	00A21CB7	00000000	C5000000
P10	FFFFFFF	01A8872D	C8FE377E	0	00E377E0	00000000	00000000	00000000	C5000000
P10	7FFFFFFF	01EA21CB	C2FF8DDF	0	00F8DDF8	00000000	00000000	00000000	C5000000
P10	0FFFFFFF	01FA8872	C0FFE377	1	00FE377E	FFFFFFF	00A21CB7	00000000	C5000000
P10	48000000	01562531	08FFF8DD	1	00FF8DDF	00000000	00AEF1A4	6FFFFFFF	C5510419
P10	09FFFFFF	01EA7423	CEFFFF37	0	00FFE377	00000000	00000000	A4000000	C52B1298
P10	EB7FFFFFF	01F059AE	CFFFFF8D	1	00FFFF8D	FFFFFFF	00A21CB7	00000000	C5150800
P10	45200000	0151D346	07FFFFE3	0	00FFFFE3	00000000	00AEF1A4	75BFFFFFF	C5580C53
P10	4C27FFFF	01E9C9AC	C0FFFFF8	1	00FFFF8D	FFFFFFF	00A21CB7	22900000	C52C6AA3
P10	24520000	0159LFEE	07FFFFFF	0	00FFFFE3	00000000	00AEF1A4	875BFFFF	C5542453
P10	64C27FFF	01E8CF86	C0FFFFFF	0	00FFFFE3	FFFFFFF	01510E5B	12290000	C52E72F3
P10	A2452000	0125FC8B	03FFFFFF	0	00FFFFE3	FFFFFFF	00A21CB7	BB75BFFF	C5B42769
P10	79B3D800	014CF5D5	08FFFFFF	0	00FFFFE3	00000000	00000000	DDRADFFF	C5521656
P11	576FB800	019F0C2B	04FFFFFF	1	00FFFFFF	00000000	00AEF1A4	00000000	C5000000
P12	576FB800	004DF0CF	08FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFF	C5FFFFFF
P13	05B20231	00000000	08FFFFFF	1	00FFFFFF	00000000	00000000	FF000000	C5000000
P15	FA520231	00000000	08FFFFFF	1	00FFFFFF	00000000	00000000	00000000	C5000000

00133

SIGMA LOGIC SIMULATION, FMS, CASE 0031									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	E699AD73	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	E699AD73	00000000	E699AD73	0	00000000	00000000	00000000	FF000000	00000000
P02	19000000	0199AD73	1999AD73	0	00000000	3060D0A5	0060D0A5	80000000	00000000
P03	00000000	00000000	06F6685C	1	0199AD73	00000000	0060D0A5	FFFFFFFF	D6FFFFFF
P09	00000000	00000000	01F99AD7	0	0199AD73	00000000	0060D0A5	00000000	D6000000
P10	40000000	00183429	0CFE6685	1	00E6685C	FFFFFFFF	019F2F5A	00000000	D6000000
P10	FFFFFFF	01E1C6DC	C3FF99AD	0	00F99AD7	00000000	0060D0A5	20000000	D60C1204
P10	73FFFFFF	01E3411F	CCFFE668	0	00FE6685	FFFFFFFF	013E5EB5	10000000	D6306942
P10	27000000	0138508A	07FFF99A	1	00FF99AD	FFFFFFFF	019F2F5A	B9FFFFFF	D6992488
P10	D8400000	010F559A	05FFFE66	1	00FFE668	00000000	0060D0A5	5FFFFFFF	D6C096C0
P10	A1EFFFFFF	01E884FC	00FFFF99	1	00FFF99A	00000000	0060D0A5	AC200000	D626EA46
P10	C373FFFF	01E8AF87	0BFFFFFF	0	00FFFF66	00000000	0060D0A5	50100000	D6306072
P10	2408FFFF	01E8C7D4	CAFFFFFF	0	00FFFF99	FFFFFFFF	013E5EB5	A0080000	D6307053
P10	9EC8C000	0138344C	06FFFFFF	0	00FFFFFF6	FFFFFFFF	013E5EB5	D26C7FFF	D69F2B6A
P10	EC061000	012653E4	09FFFFFF	0	00FFFFFF9	FFFFFFFF	019F2F5A	6F77FFFF	D69F1036
P10	1F178400	01099862	06FFFFFF	0	00FFFFFFE	FFFFFFFF	013E5EB5	77FBFFFF	D6CF8FBB
P10	25C4E100	013E1258	09FFFFFF	0	00FFFFFFF	00000000	00000000	BFFFFFFF	D687CF59
P11	E5C4E100	01C5E1E4	09FFFFFF	1	00FFFFFFF	00000000	0060D0A5	00000000	D6000000
P12	E5C4E100	0026B259	09FFFFFF	1	00FFFFFFF	00000000	00000000	FFFFFFFF	D6FFFFFF
P13	16094DA7	00000000	09FFFFFF	1	00FFFFFFF	00000000	00000000	FF000000	D6000000
P15	E9094DA7	00000000	09FFFFFF	1	00FFFFFFF	00000000	00000000	00000000	D6000000

00134

SIGMA LOGIC SIMULATION, FMS, CASE 0032									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	2C798B51	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	2C798B51	00000000	2C798B51	0	00000000	00000000	00000000	FF000000	00000000
P02	2C000000	00798B51	2C798B51	0	00000000	36667A40	00667A40	80000000	00000000
P03	00000000	00000000	081E6204	0	00798B51	00000000	00667A40	00000000	E7000000
P09	00000000	00000000	00798B51	0	00798B51	00000000	00667A40	00000000	E7000000
P10	00000000	00199F90	04C1E620	0	001E6204	00000000	00000000	00000000	E7000000
P10	00000000	000667A4	01C0798B	0	00798B51	00000000	00667A40	00000000	E7000000
P10	00000000	00180779	04001E62	1	0001E620	00000000	00667A40	00000000	E7033100
P10	40000000	001F530E	05000798	1	0000798B	FFFFFFFF	019985BF	00000000	E70119A0
P10	6FFFFFFF	01E1F304	000001E6	0	00001E62	FFFFFFFF	019985BF	20000000	E70C8807
P10	2C000000	01103FAB	03000079	0	00000798	00000000	00667A40	B7FFFFFF	E70C00E8
P10	26FFFFFF	01FFE140	0200001E	0	000001E6	00000000	00CCF480	92000000	E7223075
P10	603FFFFFF	01004A20	08000007	0	00000079	00000000	00667A40	01000000	F7777AA0
P10	580FFFFFF	01F452E3	06000001	1	0000001E	00000000	00CCF480	00000000	E7333010
P10	D6E3FFFF	0102EAC8	03000000	0	00000007	FFFFFFFF	019985BF	00000000	E77A3A48
P10	CA470000	0108944F	0E000000	0	00000001	00000000	00CCF480	6B71FFFF	E7E05364
P10	E840BFFF	01CA706A	07000000	0	00000000	00000000	00000000	25208000	E7668B22
P11	006E4000	0030A780	07000000	0	00000000	00000000	00000000	00000000	E7000000
P12	006E4000	0030A780	07000000	0	00000000	00000000	00000000	FFFFFFFF	E7FFFFFF
P13	2730A780	00000000	07000000	0	00000000	00000000	00000000	00000000	E7000000
P15	2730A780	00000000	07000000	0	00000000	00000000	00000000	00000000	E7000000

00135

SIGMA LOGIC SIMULATION, FMS, CASE 0033

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	2B5FA631	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	2B5FA631	00000000	2B5FA631	0	00000000	00000000	00000000	FF000000	00000000
P02	2B000000	005FA631	2B5FA631	0	00000000	5DAA9C62	00AA9C62	80000000	00000000
P03	00000000	00000000	0A17E98C	0	005FA631	00000000	00AA9C62	00000000	0A000000
P09	00000000	00000000	0205FA63	0	005FA631	00000000	00AA9C62	00000000	0A000000
P10	80000000	002AA718	04C17E98	1	0017E98C	00000000	00000000	00000000	0A000000
P10	20000000	000AA9C6	01005FA6	0	0005FA63	FFFFFFFF	0155639D	00000000	0A000000
P10	F7FFFFFF	0107F296	CC0017E9	0	00017E98	00000000	00AA9C62	10000000	0A001002
P10	B9FFFFFF	01DF5F8D	C30005FA	0	00005FA6	00000000	015538C4	0A000000	0A414861
P10	2C7FFFFFF	01B2CBCA	C800017E	0	000017E9	00000000	00AA9C62	8A000000	0AAAAC62
P10	AA1FFFFFF	01FCBF2	C600005F	0	000005FA	00000000	015538C4	02000000	0A554631
P10	EAC7FFFF	01BB30C1	C9000017	1	0000017E	00000000	015538C4	01000000	0AAA9F7A
P10	7AC1FFFF	019125EF	CA000005	1	0000005F	FFFFFFFF	0155639D	00000000	0A0D9C20
P10	A14FB000	01067694	0E000001	0	00000017	00000000	00000000	BD60FFFF	0AEA92D6
P10	870B0FFF	01FR3910	CF000000	0	00000005	00000000	015538C4	50A04000	0A01094A
P10	B5EAE7FF	01ABC277	C7000000	0	00000001	00000000	00AA9C62	00002000	0A8A9CA0
P10	6D7AB1FF	01EA70B9	C5000000	0	00000000	00000000	00000000	00001000	0A554F11
P11	6D7AC200	003FBFCA	05000000	0	00000000	00000000	00000000	00000000	0A000000
P12	6D7AC200	003FBFCA	05000000	0	00000000	00000000	00000000	FFFFFFFF	0AFFFFFF
P13	483FBECA	00000000	05000000	0	00000000	00000000	00000000	00000000	0A000000
P15	483FBFCA	00000000	05000000	0	00000000	00000000	00000000	00000000	0A000000

00136

SIGMA LOGIC SIMULATION, FMS, CASE 0034

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	EDD28F48	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	EDD28F48	00000000	EDD28F48	0	00000000	00000000	00000000	FF000000	00000000
P02	12000000	01D28F48	12028F48	0	00000000	67F4A1FA	00F4A1EA	80000000	00000000
P03	00000000	00000000	04F4A3D2	0	01028F48	00000000	00F4A1EA	FFFFFFFF	F9FFFFFF
P09	00000000	00000000	01FD28F4	0	01028F48	00000000	00000000	00000000	F9000000
P10	00000000	00000000	00FF4A3D	0	00F4A3D2	FFFFFFFF	0016BC2B	00000000	F9000000
P10	FFFFFFFF	0185AF0A	C8FFD28F	0	00FD28F4	00000000	00000000	00000000	F9000000
P10	BFFFFFFF	01E160C2	C2FFF4A3	1	00FF4A3D	FFFFFFFF	010B5E15	00000000	F9000000
P10	00000000	013A8D75	04FFF028	1	00FFD28F	00000000	00F4A1EA	5FFFFFFF	F980A500
P10	E3FFFFFF	01D3A267	C0FFF4A4	0	00FFF4A3	00000000	00000000	28000000	F95852B0
P10	F2FFFFFF	01E2FC35	C7FFF020	0	00FFF028	FFFFFFFF	010B5E15	10000000	F9280110
P10	07400000	013068CC	03FFFFF4	0	00FFFFF4	FFFFFFFF	0016BC2B	F97FFFFFFF	F9952E0A
P10	40700000	016CFFB8	08FFFFFFD	0	00FFFFD2	FFFFFFFF	0016BC2B	7FFFFFFF	F90A1605
P10	70000000	015C1525	0AFFFFFF	0	00FFFFF4	00000000	00000000	BFFFFFFF	F9075F15
P10	33FCFFFF	0106028C	C2FFFFFF	1	00FFFFFD	FFFFFFFF	010B5E15	98060000	F9020A82
P10	D5014000	0137E186	04FFFFFF	0	00FFFFFF	00000000	00F4A1EA	5DFF7FFF	F9812042
P10	A23F8FFF	01D0984B	C0FFFFFF	0	00FFFFFF	00000000	00000000	2A8CA000	F95AD0F1
P11	CCC03000	002B6C2C	00FFFFFF	1	00FFFFFF	00000000	00000000	00000000	F9000000
P12	CCC03000	002B6C2C	00FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFFF	F9FFFFFF
P13	39D493D4	00000000	01FFFFFF	1	00FFFFFF	00000000	00000000	FF000000	F9000000
P15	C6D493D4	00000000	00FFFFFF	1	00FFFFFF	00000000	00000000	00000000	F9000000

00137

SIGMA LOGIC SIMULATION, FMS, CASE 0035									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	R1REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	09A37D9E	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	09A37D9E	00000000	09A37D9E	0	00000000	00000000	00000000	FF000000	00000000
P02	09000000	00A37D9E	09A37D9E	0	00000000	632A5F9E	002A5F9E	80000000	00000000
P03	00000000	00000000	0228DF67	0	00A37D9E	00000000	0105A061	FFFFFFFF	ECFFFFFF
P09	00000000	00000000	000A37D9	1	00A37D9E	FFFFFFFF	0054BF3D	00000000	EC000000
P10	7FFFFFFF	00152FCF	C8028DF6	0	0028DF67	00000000	0105A061	00000000	EC000000
P10	9FFFFFFF	01F023EB	CE00A37D	0	000A37D9	FFFFFFFF	0054BF3D	80000000	FC0A9020
P10	88000000	01E8R33D	070028DF	0	00028DF6	FFFFFFFF	0054BF3D	FFFFFFFF	EC285994
P10	22000000	01E5D965	09000A37	1	0000A37D	FFFFFFFF	002A5F9E	FFFFFFFF	EC344D9F
P10	48800000	01FFFD9	0600028D	1	000028DF	00000000	0105A061	7FFFFFFF	EC122FCF
P10	CDDFFFFFF	010E5F1D	CD000CA3	0	00000A37	00000000	00000000	A4400000	EC0B5164
P10	5A67FFFF	01F9439E	CF000028	1	0000028D	FFFFFFFF	0054BF3D	42000000	EC052882
P10	79FE0000	01EA3508	0700000A	0	000000A3	00000000	0105A061	2D33FFFF	EC2A95CF
P10	95377FFF	01054029	CD000002	0	00000028	FFFFFFFF	002A5F9E	94910000	ECF55AA4
P10	FF966000	01F69144	03000000	0	0000000A	FFFFFFFF	0054BF3D	4ADB8FFF	EC12AD56
P10	D2AC8800	01EC20CB	08000000	0	00000002	FFFFFFFF	0054BF3D	7FEFFFFF	EC2B5FAA
P10	14AF2200	01E4F057	0AC00000	0	00000000	00000000	00000000	FFF7FFFF	EC361F55
P11	14A72200	001B0FAD	0AC00000	0	00000000	00000000	00000000	00000000	EC000000
P12	14A72200	001B0FAD	0AC00000	0	00000000	00000000	00000000	FFFFFFFF	ECFFFFFF
P13	2CE4F053	00000000	0A000000	0	00000000	00000000	00000000	FF000000	EC000000
P15	03E4F053	00000000	CAC00000	0	00000000	00000000	00000000	00000000	EC000000

00138

SIGMA LOGIC SIMULATION, FMS, CASE 0036									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	R1REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	29815B7C	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	29815B7C	00000000	29815B7C	0	00000000	00000000	00000000	FF000000	00000000
P02	29000000	00815B7C	29815B7C	0	00000000	36704AB6	00704AB6	80000000	00000000
P03	00000000	00000000	0A2056DF	0	00815B7C	00000000	00704AB6	00000000	0F000000
P09	00000000	00000000	020815B7	1	00815B7C	00000000	00000000	00000000	0F000000
P10	00000000	00000000	0002056F	1	002056DF	FFFFFFFF	018FB549	00000000	0F000000
P10	7FFFFFFF	01E3E052	0000815B	0	000815B7	00000000	00000000	00000000	0F000000
P10	9FFFFFFF	01F8F854	CF002056	1	0002056F	00000000	00E0956C	00000000	0F000000
P10	27FFFFFF	01C41B8E	C7000815	1	0000815B	FFFFFFFF	018FB549	00000000	0F7048A2
P10	76000000	010E7099	06000205	0	00002056	FFFFFFFF	018FB549	13FFFFFF	0FE300CC
P10	66F00000	01185005	08000081	0	00000815	00000000	00E0956C	8BFFFFFF	0FC79FE4
P10	775FFFFFF	01CFEE03	C6000000	0	00000000	00000000	00704AB6	11400000	0F604A3P
P10	D987FFFF	01F7F099	C5000008	0	00000081	00000000	00704AB6	08A00000	0F302559
P10	8449FFFF	01F0F51D	C5000002	0	00000020	00000000	00000000	84400000	0F38350C
P10	4C027FFF	01F57434	C1000000	0	00000000	00000000	00000000	42200000	0F141286
P10	83889FFF	01F859AC	00000000	0	00000000	00000000	00E0956C	20000000	0FCA0802
P10	A8F227FF	01C4B130	C8000000	0	00000000	00000000	00000000	00000000	0F740C96
P11	A8F22800	0038B0C6	08000000	0	00000000	00000000	00000000	00000000	0F000000
P12	A8E22800	0038B0C6	08000000	0	00000000	00000000	00000000	FFFFFFFF	0FFFFFFF
P13	1F38B0C6	00000000	08000000	0	00000000	00000000	00000000	00000000	0F000000
P15	1F38B0C6	00000000	08000000	0	00000000	00000000	00000000	00000000	0F000000

00139

SIGMA LOGIC SIMULATION, FMS, CASE 0037

TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	1FA1365B	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1FA1365B	00000000	1FA1365B	0	00000000	00000000	00000000	FF000000	00000000
P02	1F000000	00A1365B	1FA1365B	0	00000000	5A962CAD	00962CAD	80000000	00000000
P03	00000000	00000000	07284D96	1	00A1365B	00000000	00962CAD	00000000	F9000000
P09	00000000	00000000	010A1365	1	00A1365B	FFFFFFFF	0169D352	00000000	F9000000
P10	8FFFFFFF	01DA74D4	CC0284D9	0	00284D96	FFFFFFFF	0169D352	00000000	F9000000
P10	90000000	012CE9E1	0800A136	0	000A1365	00000000	012C595A	5FFFFFFF	F9A42828
P10	F3FFFFFF	01A92624	C600284D	0	000284D9	00000000	00962CAD	08000000	F9963484
P10	7EFFFFFF	01EA4F8F	C5000A13	0	0000A136	00000000	012C595A	00000000	F9481252
P10	DFBFFFFF	01A34121	C9000284	1	0000284D	00000000	00962CAD	00000000	F9852DAD
P10	77FFFFFF	01E01008	C60000A1	0	00000A13	FFFFFFFF	0169D352	80000000	F95B96D6
P10	02040000	01349563	0D000028	0	00000284	00000000	00962CAD	7BF7FFFF	F984C929
P10	DE7CFFFF	01C59C39	C30000CA	0	000000A1	00000000	00962CAD	81020000	F95A4694
P10	17DFBFFF	01C27D80	C40000C2	0	00000028	00000000	00000000	C0000000	F96B065E
P10	B5F7EFFF	01FA5FF7	C100000C	0	0000000A	00000000	012C595A	00000000	F9210200
P10	6D7DFBFF	01B9C16B	C8000000	0	00000002	00000000	012C595A	00000000	F9942D29
P10	1B5F7EFF	01806946	CA000000	0	0000000C	00000000	00000000	80000000	F9DE2485
P11	9B5F7F00	005F91FB	CA000000	0	00000000	00000000	00000000	00000000	F9000000
P12	9B5F7F00	005F91FB	0A000000	0	00000000	00000000	00000000	FFFFFFFF	F9FFFFFF
P13	395E91FB	00000000	0A000000	0	00000000	00000000	00000000	00000000	F9000000
P15	395E91FB	00000000	0A000000	0	00000000	00000000	00000000	00000000	F9000000

00140

SIGMA LOGIC SIMULATION, FMS, CASE 0038

TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	FC7CF1CC	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	FC7CF1CC	00000000	FC7CF1CC	0	00000000	00000000	00000000	FF000000	00000000
P02	03000000	017CF1CC	037CF1CC	0	00000000	5A5ACF3B	005ACF3B	80000000	00000000
P03	00000000	00000000	00DF3C73	0	017CF1CC	00000000	005ACF3B	FFFFFFFF	00FFFFFF
P09	00000000	00000000	00F7CF1C	1	017CF1CC	00000000	00000000	00000000	00000000
P10	00000000	00000000	0CFDF3C7	0	00DF3C73	00000000	005ACF3B	00000000	00000000
P10	C0000000	0016B3CF	0CF7CF1C	1	00F7CF1C	FFFFFFFF	01A530C4	00000000	00000000
P10	8FFFFFFF	01ECE0C2	03FFDF3C	0	00DF3C73	00000000	005ACF3B	60000000	00021862
P10	FBFFFFFF	01E000E6	CCFF7CF1	0	00FF7CF1	FFFFFFFF	014A6189	00000000	00256431
P10	81000000	01208217	07FFFFF3	1	00FFDF3C	00000000	00000000	FFFFFFFF	0086B200
P10	DF3FFFFFF	01E58031	C1FFFF7C	1	00FF7CF1	00000000	005ACF3B	40000000	00104108
P10	A7EFFFFFF	01EBC080	CCFFFFFF	0	00FFDF3C	00000000	00000000	00000000	0028669C
P10	01FBFFFF	01F0E987	CFFFFFFF	1	00FFFF7C	FFFFFFFF	01A530C4	50000000	00142040
P10	EB810000	01107F40	03FFFFFF	1	00FFFFFF	00000000	005ACF3B	28DFFFFF	00DA1062
P10	70NF3FFF	01E42846	CCFFFFFF	0	00FFFFFF	00000000	00000000	14408000	00202F31
P10	0927EFFF	01F241DD	CFFFFFFF	0	00FFFFFF	FFFFFFFF	014A6189	08200000	00121400
P10	0B8E0400	012A8015	07FFFFFF	0	00FFFFFF	00000000	00000000	EC93F7F0	00A920C4
P11	F851FC00	01D3A0D9	07FFFFFF	1	00FFFFFF	00000000	005ACF3B	00000000	00000000
P12	F851FC00	002E7014	07FFFFFF	1	00FFFFFF	00000000	00000000	FFFFFFFF	00FFFFFF
P13	1DD182FC	00000000	07FFFFFF	1	00FFFFFF	00000000	00000000	FF000000	00000000
P15	E20182EC	00000000	07FFFFFF	1	00FFFFFF	00000000	00000000	00000000	00000000

00141

SIGMA LOGIC SIMULATION, FMS, CASE 0039

TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	E486C662	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	E486C662	00000000	E486C662	0	00000000	00000000	00000000	FF000000	00000000
P02	18000000	0186C662	1886C662	0	00000000	2830B547	0030B547	80000000	00000000
P03	00000000	00000000	06E1B198	0	0186C662	00000000	0030B547	FFFFFFFF	C3FFFFFF
P09	00000000	00000000	01F86C66	0	0186C662	FFFFFFFF	01849571	00000000	C3000000
P10	7FFFFFFF	01E1255C	C8FE1B19	0	00E1B198	00000000	00000000	00000000	C3000000
P10	1FFFFFFF	01F84957	C2FF86C6	0	00F86C66	FFFFFFFF	01849571	00000000	C3000000
P10	B8000000	011F3709	08FFE1B1	0	00FE1B19	FFFFFFFF	01C24AB8	8FFFFFFF	C3C000A8
P10	72000000	01075F46	06FFF86C	0	00FF86C6	FFFFFFFF	01849571	5FFFFFFF	C3E10154
P10	F4800000	0118B208	09FFFE1B	0	00FFE1B1	FFFFFFFF	01C24AB8	3FFFFFFF	C3C28AAA
P10	8D200000	01061CB2	06FFFF86	1	00FFF86C	00000000	00000000	7FFFFFFF	C3E1455C
P10	BC87FFFF	01F9067D	C1FFFFE1	1	00FFFF1B	00000000	0030B547	06900000	C3000208
P10	2E89FFFF	01F11840	CCFFFFFF8	0	00FFFFFF86	00000000	0030B547	82480000	C31CC825
P10	EB307FFF	01F4198B	C8FFFFFFE	0	00FFFFFFE1	FFFFFFFF	01849571	81040000	C31ECCA2
P10	2572E000	01189016	06FFFFFFF	0	00FFFFFF8	00000000	00000000	F59A3FFF	C3CA4FD1
P10	F43A37FF	01F47701	C1FFFFFFF	0	00FFFFFFE	FFFFFFFF	01849571	12891000	C3050008
P10	06533600	01107882	08FFFFFFF	0	00FFFFFFF	00000000	00000000	F85093FF	C3C20A98
P11	0180D200	010F8340	06FFFFFFF	1	00FFFFFFF	00000000	0030B547	00000000	C3000000
P12	0180D200	00103892	08FFFFFFF	1	00FFFFFFF	00000000	00000000	FFFFFFFF	C3FFFFFF
P13	03E2C76E	00000000	08FFFFFFF	1	00FFFFFFF	00000000	00000000	FF000000	C3000000
P15	FCE2C76E	00000000	08FFFFFFF	1	00FFFFFFF	00000000	00000000	00000000	C3000000

00142

SIGMA LOGIC SIMULATION, FMS, CASE 0040

TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	34098209	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	34098209	00000000	34098209	0	00000000	00000000	00000000	FF000000	00000000
P02	34000000	00098209	34098209	0	00000000	2F8060D8	009060D8	80000000	00000000
P03	00000000	00098209	34098209	0	00098209	00000000	00000000	00000000	F3000000
P04	00000000	00098209	34098209	0	00098209	00000000	00000000	00000000	F2000000
P05	00000000	00000000	00026096	0	00098209	00000000	009060D8	00000000	F2000000
P09	00000000	00000000	03009820	0	00098209	00000000	009060D8	00000000	F2000000
P10	00000000	00275896	04002608	0	00026096	00000000	013AC1B0	00000000	E2000000
P10	80000000	00476661	09000982	1	00009820	00000000	009060D8	00000000	E2112C18
P10	60000000	003209A8	06000260	1	00026096	FFFFFFFF	01629F27	00000000	E20ABC2C
P10	E7FFFFFFF	010609A8	C0000098	0	00000982	FFFFFFFF	01629F27	30000000	E2114096
P10	4A000000	01295A86	08000026	0	00000260	00000000	009060D8	7BFFFFFF	E2A94E03
P10	4C7FFFFFFF	01075023	C2000009	0	00000098	00000000	00000000	25000000	E254A569
P10	9A5FFFFFFF	01E4FF12	C0000002	0	00000026	00000000	013AC1B0	82000000	E2220290
P10	8617FFFF	01B0F04C	C8000000	0	00000009	00000000	009060D8	41000000	E2916148
P10	31C5FFFF	01ECC3B7	C6000000	0	00000002	00000000	013AC1B0	00000000	E24EB044
P10	CC717FFF	01A620A8	C9000000	0	00000000	00000000	00000000	00000000	E2B760DA
P11	CC718000	00508082	09000000	0	00000000	00000000	00000000	00000000	E2000000
P12	CC718000	00508082	09000000	0	00000000	00000000	00000000	FFFFFFFF	E2FFFFFF
P13	22508082	00000000	09000000	0	00000000	00000000	00000000	00000000	E2000000
P15	22508082	00000000	09000000	0	00000000	00000000	00000000	00000000	E2000000

00143

TIME	A REGISTER	AIRFGISTER	B REGISTER	BC31 B REGISTER	D REGISTER	DIRFGISTER	CS REGISTER	CS'REGISTER
PPR	BBAAAAAA	00000000	00000000	0	00000000	00000000	00000000	00000000
P01	BBAAAAAA	00000000	BBAAAAAA	0	00000000	00000000	FF000000	00000000
P02	44000000	01AAAAAA	44AAAAAA	0	00000000	01555555	01000000	00000000
P03	AAAAAAAA	01AAAAAA	44AAAAAA	0	01AAAAAA	00000000	FFFFFFF	22FFFFFF
P04	55555556	00555555	00000000	0	00000000	55555555	01555555	00000000
P09	AAAAAAAC	00AAAAAA	00000000	0	00000000	55555555	01555555	00000000
P11	00000002	00000000	00000001	0	00000000	55555555	01555555	00000000
P11	AAAAAAAE	00AAAAAA	00000002	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAAR2	00AAAAAA	00000004	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAABA	00AAAAAA	00000008	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAACA	00AAAAAA	00000010	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAFA	00AAAAAA	00000020	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAB2A	00AAAAAA	00000040	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAABAA	00AAAAAA	00000080	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAACAA	00AAAAAA	00000100	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAEA	00AAAAAA	00000200	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAB2AA	00AAAAAA	00000400	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAABAAA	00AAAAAA	00000800	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAACAAA	00AAAAAA	00001000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAEAAA	00AAAAAA	00002000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAB2AAA	00AAAAAA	00004000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAABAAAA	00AAAAAA	00008000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAACAAA	00AAAAAA	00010000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAEAAA	00AAAAAA	00020000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAB2AAA	00AAAAAA	00040000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAABAAAA	00AAAAAA	00080000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAACAAA	00AAAAAA	00100000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAEAAA	00AAAAAA	00200000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AB2AAA	00AAAAAA	00400000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	ABAAAA	00AAAAAA	00800000	0	00000000	AAAAAAAA	00AAAAAA	00000001

00144

TIME	A REGISTER	AIRFGISTER	B REGISTER	BC31 B REGISTER	D REGISTER	DIRFGISTER	CS REGISTER	CS'REGISTER
P11	ACAAAAAA	00AAAAAA	01000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AFAAAAAA	00AAAAAA	02000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	B2AAAAAA	00AAAAAA	04000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	BAAAAAAA	00AAAAAA	08000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	CAAAAAAA	00AAAAAA	10000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	EAAAAAAA	00AAAAAA	20000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	2AAAAAAA	00AAAAAA	40000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAAAB	00AAAAAA	80000000	0	00000000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAAAB	00AAAAAA	00000000	0	00000001	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAAAC	00AAAAAA	00000000	0	00000002	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAAAE	00AAAAAA	00000000	0	00000004	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAAB2	00AAAAAA	00000000	0	00000008	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAABA	00AAAAAA	00000000	0	00000010	AAAAAAAA	00AAAAAA	00000001
P11	AAAAACA	00AAAAAA	00000000	0	00000020	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAEA	00AAAAAA	00000000	0	00000040	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAB2A	00AAAAAA	00000000	0	00000080	AAAAAAAA	00AAAAAA	00000001
P11	AAAAABAA	00AAAAAA	00000000	0	00000100	AAAAAAAA	00AAAAAA	00000001
P11	AAAAACAA	00AAAAAA	00000000	0	00000200	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAEA	00AAAAAA	00000000	0	00000400	AAAAAAAA	00AAAAAA	00000001
P11	AAAAAB2AA	00AAAAAA	00000000	0	00000800	AAAAAAAA	00AAAAAA	00000001
P11	AAAAABAAA	00AAAAAA	00000000	0	00001000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAACAAA	00AAAAAA	00000000	0	00002000	AAAAAAAA	00AAAAAA	00000001
P11	AAAAEAAA	00AAAAAA	00000000	0	00004000	AAAAAAAA	00AAAAAA	00000001
P11	AAAB2AAA	00AAAAAA	00000000	0	00008000	AAAAAAAA	00AAAAAA	00000001
P11	AAABAAAA	00AAAAAA	00000000	0	00010000	AAAAAAAA	00AAAAAA	00000001
P11	AAACAAA	00AAAAAA	00000000	0	00020000	AAAAAAAA	00AAAAAA	00000001
P11	AAEAAA	00AAAAAA	00000000	0	00040000	AAAAAAAA	00AAAAAA	00000001
P11	AAAB2AAA	00AAAAAA	00000000	0	00080000	AAAAAAAA	00AAAAAA	00000001
P11	AAABAAAA	00AAAAAA	00000000	0	00100000	AAAAAAAA	00AAAAAA	00000001
P11	AAACAAA	00AAAAAA	00000000	0	00200000	AAAAAAAA	00AAAAAA	00000001
P11	AAEAAA	012AAAAA	00000000	0	00400000	AAAAAAAA	00AAAAAA	00000001
P12	00000000	00800000	00000000	0	00400000	00000000	00000000	FFFFFFF
P13	62000000	00800000	00000000	0	00400000	00000000	00000000	00000001

00145

TIME	SIGMA LOGIC SIMULATION, FDL, CASE 0001								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	62800000	00800000	00000000	0	00400000	00000000	00000000	00000000	00000000

00146

TIME	SIGMA LOGIC SIMULATION, FDL, CASE 0002								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	10555555	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	10555555	00000000	10555555	0	00000000	00000000	00000000	FF000000	00000000
P02	10000000	00555555	10555555	0	00000000	FCF55555	01555555	01000000	00000000
P03	55555555	00555555	10555555	0	00555555	00000000	00000000	00000000	00000000
P04	55555555	00555555	00000000	0	00000000	55555555	01555555	00000001	00000000
P09	AAAAAAAA	00AAAAAA	00000000	0	00000000	55555555	01555555	00000001	00000000
P11	00000000	00000000	00000001	0	00000000	55555555	01555555	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000002	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000004	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000008	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000010	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000020	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000040	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000080	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000100	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000200	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000400	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00000800	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00001000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00002000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00004000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00008000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00010000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00020000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00040000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00080000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00100000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00200000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00400000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000
P11	AAAAAAAA	00AAAAAA	00800000	0	00000000	AAAAAAAA	00AAAAAA	00000001	00000000

00147

SIGMA LOGIC SIMULATION, FDL, CASE 0002

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	AAAAAAC	00AAAAA	01000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAC	00AAAAA	02000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAC	00AAAAA	04000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAC	00AAAAA	08000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAC	00AAAAA	10000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAC	00AAAAA	20000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAC	00AAAAA	40000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAC	00AAAAA	80000000	0	00000000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAD	00AAAAA	00000000	0	00000001	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAAE	00AAAAA	00000000	0	00000002	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAB0	00AAAAA	00000000	0	00000004	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAB4	00AAAAA	00000000	0	00000008	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAABC	00AAAAA	00000000	0	00000010	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAACC	00AAAAA	00000000	0	00000020	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAEC	00AAAAA	00000000	0	00000040	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAB2C	00AAAAA	00000000	0	00000080	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAABAC	00AAAAA	00000000	0	00000100	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAACAC	00AAAAA	00000000	0	00000200	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAAEC	00AAAAA	00000000	0	00000400	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAB2AC	00AAAAA	00000000	0	00000800	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAABAAC	00AAAAA	00000000	0	00001000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAACAAC	00AAAAA	00000000	0	00002000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAAEAC	00AAAAA	00000000	0	00004000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAB2AAC	00AAAAA	00000000	0	00008000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAABAAC	00AAAAA	00000000	0	00010000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAACAAAC	00AAAAA	00000000	0	00020000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAEAAAC	00AAAAA	00000000	0	00040000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAB2AAC	00AAAAA	00000000	0	00080000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAAPAAAC	00AAAAA	00000000	0	00100000	AAAAAAA	00AAAAA	00000000	00000000
P11	AACAAAC	00AAAAA	00000000	0	00200000	AAAAAAA	00AAAAA	00000000	00000000
P11	AAEAAAC	00AAAAA	00000000	0	00400000	AAAAAAA	00AAAAA	00000000	00000000
P12	00000000	00800000	00000000	0	00400000	00000000	00000000	FFFFFFF	0FFFFFFF
P13	4DR00000	00800000	00000000	0	00400000	00000000	00000000	00000000	00000000

00148

SIGMA LOGIC SIMULATION, FDL, CASE 0002

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	4D800000	00800000	00000000	0	00400000	00000000	00000000	00000000	00000000

00151

TIME	SIGMA LOGIC SIMULATION, FDL, CASE 0003								
	A REGISTER	AIREGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
P13	74200000	00200000	00000000	0	00100000	00000000	00000000	00000000	34000000
P15	74200000	00200000	00000000	0	00100000	00000000	00000000	00000000	00000000

00152

TIME	SIGMA LOGIC SIMULATION, FDL, CASE 0004								
	A REGISTER	AIREGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	EE555555	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	EE555555	00000000	EE555555	0	00000000	00000000	00000000	FF000000	00000000
P02	11000000	01555555	11555555	0	00000000	0BAAAAAA	01AAAAAA	01000000	00000000
P03	55555555	01555555	11555555	0	01555555	00000000	00000000	FFFFFFF	FFFFFFFF
P04	AAAAAAAR	00AAAAAA	00000000	0	00000000	AAAAAAAA	01AAAAAA	00000000	E0000000
P09	55555556	01555555	00000000	0	00000000	AAAAAAAA	01AAAAAA	00000000	E0000000
P10	55555555	00155555	60000000	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	FFFFFFF	017FFFFF	00000000	0	00000000	55555555	00555555	00000000	EF000000
P11	AAAAAA9	01AAAAAA	80000000	0	00000000	55555555	00555555	00000000	EF000000
P11	FFFFFFF	01FFFFFF	00000000	0	00000000	55555555	00555555	00000000	EF000000
P11	AAAAAAAA	00AAAAAA	00000001	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA8	00AAAAAA	00000003	0	00000000	AAAAAAAA	01AAAAAA	00000000	FF000000
P11	AAAAAA4	00AAAAAA	00000007	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000
P11	AAAAAA9C	00AAAAAA	0000000F	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA8C	00AAAAAA	0000001F	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA6C	00AAAAAA	0000003F	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000
P11	AAAAAA?C	00AAAAAA	0000007F	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA9AC	00AAAAAA	000000FF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000
P11	AAAAAA8AC	00AAAAAA	000001FF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000
P11	AAAAAA6AC	00AAAAAA	000003FF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000
P11	AAAAAA2AC	00AAAAAA	000007FF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA9AAC	00AAAAAA	00000FFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA8AAC	00AAAAAA	00001FFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA6AAC	00AAAAAA	00003FFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAAAA2AAC	00AAAAAA	00007FFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000
P11	AAAA9AAC	00AAAAAA	0000FFFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000
P11	AAAA8AAC	00AAAAAA	0001FFFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAA6AAC	00AAAAAA	0003FFFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EF000000
P11	AAAA2AAC	00AAAAAA	0007FFFF	0	00000000	AAAAAAAA	01AAAAAA	00000000	EE000000

00153

SIGMA LOGIC SIMULATION, FDL CASE 0004									
TIME	A REGISTER	A'REGISTER	B REGISTER	RC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	AA9AAAA	00AAAAA	00FFFFFF	0	00300000	AAAAAAA	01AAAAA	0000000	EE00000
P11	AA8AAAA	00AAAAA	001FFFFFF	0	00600000	AAAAAAA	01AAAAA	0000000	EE00000
P11	AA6AAAA	00AAAAA	003FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	AA2AAAA	00AAAAA	007FFFFFF	0	01800000	AAAAAAA	01AAAAA	0000000	EE00000
P11	A9AAAAA	00AAAAA	00FFFFFF	0	01000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	A8AAAAA	00AAAAA	01FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	A6AAAAA	00AAAAA	03FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	A2AAAAA	00AAAAA	07FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	9AAAAAA	00AAAAA	0FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	8AAAAAA	00AAAAA	1FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	6AAAAAA	00AAAAA	3FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	2AAAAAA	00AAAAA	7FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAA	00AAAAA	FFFFFF	0	00000000	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAD	00AAAAA	FFFFFF	0	00000001	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAF	00AAAAA	FFFFFF	0	00000003	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	00000007	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0000000F	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0000001F	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0000003F	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0000007F	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	000000FF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAACB	00AAAAA	FFFFFF	0	000001FF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	000003FF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	000007FF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	00000FFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	00001FFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	00003FFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	00007FFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0000FFFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0001FFFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0003FFFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	0007FFFF	AAAAAAA	01AAAAA	0000000	EE00000
P11	AAAAAAB	00AAAAA	FFFFFF	0	000FFFFF	AAAAAAA	01AAAAA	0000000	EE00000
P12	FFFFFF	001FFFF	FFFFFF	0	000FFFF	0000000	0000000	FFFFFF	EEFFFF

00154

SIGMA LOGIC SIMULATION, FDL CASE 0004									
TIME	A REGISTER	A'REGISTER	B REGISTER	RC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	2E1FFFF	001FFFF	FFFFFF	0	000FFFF	0000000	0000000	0000000	EE00000
P15	2E1FFFF	001FFFF	FFFFFF	0	000FFFF	0000000	0000000	0000000	0000000

00155

SIGMA LOGIC SIMULATION, FDL, CASE 0005

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	20000000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	20000000	00000000	20000000	0	00000000	00000000	00000000	FF000000	00000000
P02	20000000	00000000	20000000	0	00000000	BC942DC4	01942DC4	01000000	00000000
P03	00000000	00000000	20000000	0	00000000	00000000	00000000	00000000	DD000000
P04	00000000	00000000	20000000	0	00000000	00000000	00000000	00000000	DD000000
P13	10000000	00000000	20000000	0	00000000	00000000	00000000	00000000	DD000000
P15	00000000	00000000	20000000	0	00000000	00000000	00000000	00000000	00000000

00156

SIGMA LOGIC SIMULATION, FDL, CASE 0006

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	1F501355	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1F501355	00000000	1F501355	0	00000000	00000000	00000000	FF000000	00000000
P02	1F000000	00501355	1F501355	0	00000000	FFFFFFF	01FFFFFF	01000000	00000000
P03	9960101A	00501355	1F501355	0	00501355	00000000	00000000	00000000	CF000000
P04	9960101A	00501355	9960101A	0	00501355	00000000	00000000	00000000	0F000000
P06	00000000	00000000	9960101A	0	00501355	00000000	00000000	00000000	10000000
P07	00000000	00000000	9960101A	0	00501355	00000000	00000000	00000000	11000000
P13	51000000	00000000	9960101A	0	00501355	00000000	00000000	00000000	11000000
P15	00000000	00000000	9960101A	0	00501355	00000000	00000000	00000000	00000000

00157

SIGMA LOGIC SIMULATION, FDL CASE 0007									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	30100000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	30100000	00000000	30100000	0	00000000	00000000	00000000	FF000000	00000000
P02	30000000	00100000	30100000	0	00000000	DFC962FB	01C962FB	01000000	00000000
P03	00000000	00100000	30100000	0	00100000	00000000	00000000	00000000	10000000
P04	00000000	00100000	00000000	0	00000000	76D8F280	01C962FB	00000000	10000000
P09	00000000	00200000	00000000	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	EDB1E500	01D2C5F6	00000000	0	00000000	8927007F	00369D04	00000001	10000000
P11	EDB1E500	002C5F6	00000001	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	C915AF00	018851E4	00000002	0	00000000	8927007F	00369D04	00000001	10000000
P11	A4797900	01DDDD02	00000004	0	00000000	8927007F	00369D04	00000001	10000000
P11	5B410C00	0028F3AE	00000009	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	A433FF00	01E4B153	00000012	0	00000000	8927007F	00369D04	00000001	10000000
P11	5AB61900	00369C80	00000025	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	A31E1700	01FFFF57	0000004A	0	00000000	8927007F	00369D04	00000001	10000000
P11	588A4900	006D38R8	00000095	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	9EC67700	006D3767	0000012E	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	2B3ED300	006D34C6	00000257	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	442F8E00	006D2FR3	000004AF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	7610FB00	006D24FD	0000095F	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	9D03DB00	006D0FF1	000012BF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	A1599800	006CE5DA	0000257F	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	30651800	006C91AC	00004AFF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	4E7C1B00	006RE94F	000095FF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	8AAA1800	006A9A95	00012BFF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	03061800	0067F722	000257FF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	F3BF1800	0062B43A	0004AFFE	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	052E1800	005R2F6C	00095FFF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	980E1800	004322C0	0012BFFF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	1DCE1800	00190R98	00257FFF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	294E1800	01C4D027	004AFFFE	0	00000000	8927007F	00369D04	00000001	10000000

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SIGMA LOGIC SIMULATION, FDL CASE 0007									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	64EA5100	01F6F457	0095FFFF	0	00000000	8927007F	00369D04	00000001	10000000
P11	DC22B000	005R22B7	012BFFFF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	A5F75F00	00490866	0257FFFF	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	39A0A300	0024D0C4	04AFFFE7	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	60F32B00	01D07F7F	095FFFFE	0	00000000	8927007F	00369D04	00000001	10000000
P11	D4347100	0026A3907	12BFFFFD	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	961AC700	01D0F3806	257FFFF3A	0	00000000	8927007F	00369D04	00000001	10000000
P11	3ER3A900	0028AA16	4AFFFE75	0	00000000	76D8F280	01C962FB	00000000	10000000
P11	6AB93700	01E11A23	95FFFFEA	0	00000000	8927007F	00369D04	00000001	10000000
P11	E7C08900	00416E4F	2BFFFF905	0	00000001	76D8F280	01C962FB	00000000	10000000
P11	BD32F700	0015A296	57FFFF3AB	0	00000002	76D8F280	01C962FB	00000000	10000000
P11	6817D300	01BE0824	AFFFE756	0	00000004	8927007F	00369D04	00000001	10000000
P11	E27D0100	01E95051	5FFFCCEAC	0	00000009	8927007F	00369D04	00000001	10000000
P11	D7499D12	003FDAAC	BFFF9D59	0	00000012	76D8F280	01C962FB	00000000	10000000
P11	9C451F25	00127P50	7FFF3AB3	0	00000025	76D8F280	01C962FB	00000000	10000000
P11	263C234A	0197RC98	FFFE7566	0	0000004A	8927007F	00369D04	00000001	10000000
P11	5EC66195	01D0B339	FFFCCEACC	0	00000095	8927007F	00369D04	00000001	10000000
P11	CFDADE2B	0026AC78	FF9D599	0	0000012B	76D8F280	01C962FB	00000000	10000000
P11	8D67A157	01E006EE	FFF3AE32	0	00000257	8927007F	00369D04	00000001	10000000
P11	2D1C5DAF	002D47E6	FFE75665	0	000004AF	76D8F280	01C962FB	00000000	10000000
P11	47ECA05F	01ED55C3	FFCEACCA	0	0000095F	8927007F	00369D04	00000001	10000000
P11	A2P758BF	0047E58F	FF9D5995	0	000012BF	76D8F280	01C962FB	00000000	10000000
P11	32009C7F	00229116	FF3AB32E	0	0000257F	76D8F280	01C962FB	00000000	10000000
P11	51B31D0F	01D7E823	FE756656	0	00004AFF	8927007F	00369D04	00000001	10000000
P11	B5B456FF	001D0A4F	FCEACCA0	0	000095FF	76D8F280	01C962FB	00000000	10000000
P11	591A92FF	01C00496	F9D5995A	0	00012BFF	8927007F	00369D04	00000001	10000000
P11	C48340FF	00C6EF35	F3AB32B5	0	000257FF	76D8F280	01C962FB	00000000	10000000
P11	763866FF	01A0A462	E756656A	0	0004AFFE	8927007F	00369D04	00000001	10000000
P11	FFBEE8FF	01AE82CD	CEACCA04	0	00095FFF	8927007F	00369D04	00000001	10000000
P11	11C8LCFF	01CA3FA5	9D5995A8	0	0012BFFF	8927007F	00369D04	00000001	10000000
P11	35E5F4FF	00C18953	3AB32B51	0	00257FFF	76D8F280	01C962FB	00000000	10000000
P12	756656A2	004AFFFE	3AB32B51	0	00257FFF	00000000	00000000	FFFFFFF	1FFFFFFF
P13	50B50001	01B50001	3AB32B51	0	00257FFF	00000000	00000000	FF00000	10000000

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SIGMA LOGIC SIMULATION, FDL, CASE 0007

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	AFB50001	01B50001	3AB32B51	0	00257FFF	00000000	00000000	00000000	00000000

00160

SIGMA LOGIC SIMULATION, FDL, CASE 0008

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	36361BA7	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	36361BA7	00000000	36361BA7	0	00000000	00000000	00000000	FF000000	00000000
P02	36000000	00361BA7	36361BA7	0	00000000	F7FFFFFF	01FFFFFF	01000000	00000000
P03	6568A665	00361BA7	36361BA7	0	00361BA7	00000000	00000000	00000000	2E000000
P04	6568A665	00361BA7	00000000	0	00000000	FFFFFFFF	01FFFFFF	00000000	2E000000
P09	CAD14CCA	006C374E	00000000	0	00000000	FFFFFFFF	01FFFFFF	00000000	2E000000
P10	ECAD14CC	0006C374	AC000000	0	00000000	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	D95A2999	01E886E9	40000000	0	00000001	00000000	00100000	00000000	2F000000
P11	B2B45332	01FB00D3	80000000	0	00000002	00000000	00100000	00000000	2F000000
P11	6568A665	00161BA7	00000001	0	00000005	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	CAD14CCA	000C374E	00000003	0	0000000A	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	95A29994	01F86F9D	00000006	0	00000014	00000000	00100000	00000000	2F000000
P11	2B453328	0010D03B	0000000D	0	00000028	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	568A6650	0001BA76	0000001B	0	0000005C	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	AD14CCA0	01E374EC	00000036	0	00000090	00000000	00100000	00000000	2F000000
P11	5A299940	01E6E9D9	0000006C	0	00000140	00000000	00100000	00000000	2F000000
P11	B4533280	01EDD382	000000D8	0	00000080	00000000	00100000	00000000	2F000000
P11	68A66500	01F8A765	000001B0	0	00000500	00000000	00100000	00000000	2F000000
P11	D14CCA00	00174FCA	00000361	0	00000A00	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	A2999400	000E9D95	000006C3	0	00001400	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	45332800	01FD3828	00000D86	0	00002800	00000000	00100000	00000000	2F000000
P11	8A665000	001A7656	00001B0D	0	00005000	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	14CCA000	0014ECAD	0000361B	0	0000A000	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	29994000	0009D95A	00006C37	0	00014000	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	53328000	01F38284	0000D86E	0	00028000	00000000	00100000	00000000	2F000000
P11	A6650000	00076568	0001B0DD	0	00050000	FFFFFFFF	01FFFFFF	00000000	2F000000
P11	4CCA0000	01EFCAD1	000361BA	0	000A0000	00000000	00100000	00000000	2F000000
P11	99940000	01FD95A2	0006C374	0	00140000	00000000	00100000	00000000	2F000000
P11	33280000	001B2845	000D86E9	0	00280000	FFFFFFFF	01FFFFFF	00000000	2F000000

00161

SIGMA LOGIC SIMULATION, FDL, CASE 0008									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	66500000	0016568A	00180DD3	0	00500000	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	CCA00000	00CCAD14	00361BA7	0	00A00000	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	99400000	01F95A29	006C374E	0	01400000	00000000	00100000	00000000	2F000000
P11	32800000	0012B453	00D86E9D	0	00800000	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	65000000	000568A6	0180DD3B	0	01000000	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	CA000000	01EAD14C	0361BA76	0	00000000	00000000	00100000	00000000	2F000000
P11	94000000	01F5A299	06C374EC	0	00000000	00000000	00100000	00000000	2F000000
P11	28000000	000B4533	0D86E9D9	0	00000000	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	50000000	01F68A66	18CDD3B2	0	00000000	00000000	00100000	00000000	2F000000
P11	A0000000	000D14CC	361BA765	0	00000000	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	40000000	01FA2999	6C374ECA	0	00000000	00000000	00100000	00000000	2F000000
P11	80000000	00145332	086E9D95	0	00000000	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	00000001	0008A665	B0DD3B2B	0	00000001	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	00000003	01F14CCA	61BA7656	0	00000003	00000000	00100000	00000000	2F000000
P11	00000006	00029994	C374ECAD	0	00000006	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	0000000D	01E53328	86E9D95A	0	0000000D	00000000	00100000	00000000	2F000000
P11	0000001B	01EA6650	0DD3B2B4	0	0000001B	00000000	00100000	00000000	2F000000
P11	00000036	01F4CCA0	1BA76568	0	00000036	00000000	00100000	00000000	2F000000
P11	0000006C	00099940	374ECAD1	0	0000006C	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	000000D8	01F33280	6E9D95A2	0	000000D8	00000000	00100000	00000000	2F000000
P11	000001B0	00066500	DD3B2B45	0	000001B0	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	00000361	01ECCA00	BA76568A	0	00000361	00000000	00100000	00000000	2F000000
P11	000006C3	01F99400	74ECAD14	0	000006C3	00000000	00100000	00000000	2F000000
P11	00000D86	00132800	E9D95A29	0	00000D86	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	00001B0D	00065000	D3B2B453	0	00001B0D	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	0000361B	01ECA000	A76568A6	0	0000361B	00000000	00100000	00000000	2F000000
P11	00006C37	01F94000	4ECAD14C	0	00006C37	00000000	00100000	00000000	2F000000
P11	0000D86E	00128000	9D95A299	0	0000D86E	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	0001B0DD	00050000	3B2B4533	0	0001B0DD	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	000361BA	01EA0000	76568A66	0	000361BA	00000000	00100000	00000000	2F000000
P11	0006C374	01F40000	ECAD14CC	0	0006C374	00000000	00100000	00000000	2F000000
P11	000D86E9	00080000	D95A2999	0	000D86E9	FFFFFFFF	01FFFFFF	00000001	2F000000
P11	001B0DD3	01F00000	B2B45332	0	001B0DD3	00000000	00100000	00000000	2F000000
P12	6568A665	00361BA7	B2B45332	0	001B0DD3	00000000	00000000	FFFFFFFF	2FFFFFFF

00162

SIGMA LOGIC SIMULATION, FDL, CASE 0008									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P13	6F361BA7	00361BA7	B2B45332	0	001B0DD3	00000000	00000000	00000000	2F000000
P15	6F361BA7	00361BA7	B2B45332	0	001B0DD3	00000000	00000000	00000000	00000000

00163

SIGMA LOGIC SIMULATION, FDL CASE 0009									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	1059AE26	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1059AF26	00000000	1059AE26	0	00000000	00000000	00000000	FF000000	00000000
P02	10000000	0059AF26	1059AE26	0	00000000	AAD83E94	01D83E94	01000000	00000000
P03	C16B05AF	0059AF26	1059AE26	0	0059AE26	00000000	00000000	00000000	BB000000
P04	C16B05AF	0059AF26	00000000	0	00000000	FA4E93D7	01D83E94	00000001	BB000000
P09	82D6055E	00B35C4D	00000000	0	00000000	FA4E93D7	01D83E94	00000001	BB000000
P10	D82D60B5	000R35C4	E0000000	0	00000000	FA4E93D7	01D83E94	00000001	BC000000
P11	A4F7E91B	01C6E8R3	C0000000	0	00000001	05B16C28	0027C16B	00000000	BC000000
P11	5552AA87	01D0543D	80000000	0	00000003	05B16C28	0027C16B	00000000	BC000000
P11	86782D5F	000A2B50	00000001	0	00000007	FA4E93D7	01D83E94	00000001	BC000000
P11	60AD826E	01C4D3CB	00000002	0	0000000E	05B16C28	0027C16B	00000000	BC000000
P11	CC8DD02C	01092A6C	00000004	0	0000001C	05B16C28	0027C16B	00000000	BC000000
P11	A4DE92A8	0001D7AF	00000009	0	00000038	FA4E93D7	01D83E94	00000001	BC000000
P11	3E5A4D00	01B42C89	00000012	0	00000070	05B16C28	0027C16B	00000000	BC000000
P11	81177250	01B7DBF8	00000024	0	000000E0	05B16C28	0027C16B	00000000	BC000000
P11	1B718CF0	01BF3AA7	00000048	0	000001C0	05B16C28	0027C16B	00000000	BC000000
P11	42A65230	01C0F824	00000090	0	00000380	05B16C28	0027C16B	00000000	BC000000
P11	906F7C80	01ER731E	00000120	0	00000700	05B16C28	0027C16B	00000000	BC000000
P11	2C41D1B0	00266913	00000241	0	00000F00	FA4E93D7	01D83E94	00000001	BC000000
P11	4D20CB10	01F84F50	00000482	0	00001C00	05B16C28	0027C16B	00000000	BC000000
P11	A5A46E70	004A2176	00000905	0	00003800	FA4E93D7	01D83E94	00000001	BC000000
P11	3FF60490	004AC017	0000120B	0	00007000	FA4E93D7	01D83E94	00000001	BC000000
P11	74693000	0039F058	00002417	0	0000E000	FA4E93D7	01D83E94	00000001	BC000000
P11	DD6F8950	0024775A	0000482F	0	0001C000	FA4E93D7	01D83E94	00000001	BC000000
P11	AF7C3A50	01F960CF	0000905E	0	00038000	05B16C28	0027C16B	00000000	BC000000
P11	6A5E4CF0	00425095	0001209D	0	00070000	FA4E93D7	01D83E94	00000001	BC000000
P11	C9531C90	00353654	00024176	0	000E0000	FA4E93D7	01D83E94	00000001	BC000000
P11	8744AAD0	001AE0C3	000482F7	0	001C0000	FA4E93D7	01D83E94	00000001	BC000000
P11	C3267250	01E650C1	000905FE	0	00380700	05B16C28	0027C16B	00000000	BC000000

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SIGMA LOGIC SIMULATION, FDL CASE 0009									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	11AFD2F0	001F2478	00120BDD	0	00700000	FA4E93D7	01D83E94	00000001	BC000000
P11	17FCC090	01E8C41A	0024176A	0	00F00000	05B16C28	0027C16B	00000000	BC000000
P11	3B5C7370	00210F0A	00482F75	0	01000000	FA4E93D7	01D83E94	00000001	BC000000
P11	6B56C890	01F2993E	00905FEA	0	01000000	05B16C28	0027C16B	00000000	BC000000
P11	E20EF570	0034B952	0120BDD5	0	01000000	FA4E93D7	01D83E94	00000001	BC000000
P11	B89B1250	0019EFCF	024176AB	0	00000000	FA4E93D7	01D83E94	00000001	BC000000
P11	66134C00	01E450C9	0482F756	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	D7971F00	00183068	0005FEAD	0	00000000	FA4E93D7	01D83E94	00000001	BC000000
P11	A3800890	01F9F5B8	120BDD5A	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	52C2EF70	00116FCD	2417BAB5	0	00000000	FA4E93D7	01D83E94	00000001	BC000000
P11	9AP30690	01035AC4	482F756A	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	3FA6E570	01F6385F	005EEAD4	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	8A1A4331	003BF394	20BDD5A9	0	00000001	FA4E93D7	01D83E94	00000001	BC000000
P11	0AC66F12	00286453	417BAB53	0	00000002	FA4E93D7	01D83E94	00000001	BC000000
P11	08AA0304	00014500	82F756A7	0	00000004	FA4E93D7	01D83E94	00000001	BC000000
P11	05F12F59	01B303CA	05EEAD4E	0	00000009	05B16C28	0027C16B	00000000	BC000000
P11	17453722	01B594FA	0BDD5A9C	0	00000012	05B16C28	0027C16B	00000000	BC000000
P11	39ED4654	01B4A8AA	17BAB538	0	00000024	05B16C28	0027C16B	00000000	BC000000
P11	7F3D64F8	01C0ADA2A	2F756A70	0	00000048	05B16C28	0027C16B	00000000	BC000000
P11	09DDA240	0109372B	5EEAD4E0	0	00000090	05B16C28	0027C16B	00000000	BC000000
P11	1F1E1C00	0001F12C	BDC5A9C1	0	00000120	FA4E93D7	01D83E94	00000001	BC000000
P11	32F96151	01B45FR2	7BAB5382	0	00000041	05B16C28	0027C16B	00000000	BC000000
P11	71159AF2	01E8410A	F756A704	0	00000082	05B16C28	0027C16B	00000000	BC000000
P11	ED8E0E35	01C00C8A	EFAD4F08	0	00000095	05B16C28	0027C16B	00000000	BC000000
P11	E67FE45B	01C8F8FB	005A9C10	0	00001209	05B16C28	0027C16B	00000000	BC000000
P11	D860C1C7	01EAPAD	BAB53820	0	00002417	05B16C28	0027C16B	00000000	BC000000
P11	BC2450DF	002CC831	756A7041	0	0000482F	FA4E93D7	01D83E94	00000001	BC000000
P11	CF50F06F	000A008D	EAD4E083	0	0000905E	FA4E93D7	01D83E94	00000001	BC000000
P11	CF68E68D	01C49844	D5A9C106	0	0001209D	05B16C28	0027C16B	00000000	BC000000
P11	A834A58B	01D8H35F	A853220C	0	00024176	05B16C28	0027C16B	00000000	BC000000
P11	5BCC2327	000FE995	56A70419	0	000482F7	FA4E93D7	01D83E94	00000001	BC000000
P11	AC3560FF	01B2B054	AD4E0832	0	000905EE	05B16C28	0027C16B	00000000	BC000000
P11	63CDB440	01E4E37F	5A9C1064	0	00120BDD	05B16C28	0027C16B	00000000	BC000000
P12	B53820C8	0024176A	5A9C1064	0	00120BDD	00000000	00000000	FFFFFFFF	BCFFFFFF

00165

SIGMA LOGIC SIMULATION, FDL, CASE 0009									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	7C000000	002417BA	5A9C1064	0	00120BDD	00000000	00000000	00000000	BC000000
P15	00000000	002417BA	5A9C1064	0	00120BDD	00000000	00000000	00000000	00000000

00166

SIGMA LOGIC SIMULATION, FDL, CASE 0010									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	1059AE26	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	1059AE26	00000000	1059AE26	0	00000000	00000000	00000000	FF000000	00000000
P02	10000000	0059AE26	1059AE26	0	00000000	AAD83F94	01D83E94	01000000	00000000
P03	C16805AF	0059AE26	1059AE26	0	0059AE26	00000000	00000000	00000000	BC000000
P04	C16805AF	0059AE26	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P09	82060B5F	00835C4D	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P10	D82D6025	000B35C4	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	A4F7E918	01C6F8E3	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	5552AA87	01D0543D	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	8608205F	00CA2150	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	60ADR26F	01C4D7CB	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	CC8DD02C	01092A6C	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	A40E92A8	0001D7AF	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	3E5A4D00	01B42C89	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	881772B0	01B7D0E8	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	18915CF0	015F3AA7	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	42A65230	01C0F424	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	906F7C00	01EB731E	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	2C41D130	00266913	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	402CC81C	01FD4F50	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	A5A46E70	004A2176	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	3FE60490	0044C017	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	74A930D0	0039FD58	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	DD6F8950	002477DA	00000000	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	AF7C3A50	01F96CDF	00000000	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	6A5B4CF0	00425C95	00012080	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	C953C190	00353654	00024170	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	8744AADD	001AE9D3	000482F7	0	00000000	FA4E93D7	01D83E94	00000000	BC000000
P11	03267050	01E65001	000905EE	0	00000000	05B16C28	0027C16B	00000000	BC000000

00167

TIME	SIGMA LOGIC SIMULATION, FDL, CASE 0010								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	11AFD2F0	001C2478	00120BDD	0	00700000	FA4E93D7	01D83E94	00000001	BC000000
P11	17FCCD90	01E8C61A	002417BA	0	00E00000	05B16C28	0027C16B	00000000	BC000000
P11	3B5C7370	00210F0A	00482F75	0	01C00000	FA4E93D7	01D83E94	00000001	BC000000
P11	6B560E90	01F29R3E	00905EFA	0	01800000	05B16C28	0027C16B	00000000	BC000000
P11	E20EF570	0034B952	0120BDD5	0	01000000	FA4E93D7	01D83E94	00000001	BC000000
P11	88BB1290	0019EFCF	02417BAB	0	00C00000	FA4E93D7	01D83E94	00000001	BC000000
P11	66134C00	01E45CC9	0482F756	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	D78971F0	00183C68	0905EEAD	0	00000000	FA4E93D7	01D83E94	00000001	BC000000
P11	A3B00B90	01E0F5FB	120BDD5A	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	52C2EF70	00116FCD	2417BAB5	0	00000000	FA4E93D7	01D83E94	00000001	BC000000
P11	9A230690	01D35AC4	482F756A	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	3FA8E570	01F63R5F	905EEAD4	0	00000000	05B16C28	0027C16B	00000000	BC000000
P11	8AB4A331	003BF394	20BDD5A9	0	00000001	FA4E93D7	01D83E94	00000001	BC000000
P11	0A066E12	00286453	417BAB53	0	00000002	FA4E93D7	01D83E94	00000001	BC000000
P11	08AA03D4	000145D0	82F756A7	0	00000004	FA4E93D7	01D83E94	00000001	BC000000
P11	05F12F59	01B30ACA	05EEAD4E	0	00000009	05B16C28	0027C16B	00000000	BC000000
P11	17453702	01B5946A	0BDD5A9C	0	00000012	05B16C28	0027C16B	00000000	BC000000
P11	39ED4654	01BAABAA	17BAB538	0	00000024	05B16C28	0027C16B	00000000	BC000000
P11	7F3D64F8	01C4DA2A	2F756A70	0	00000048	05B16C28	0027C16B	00000000	BC000000
P11	09DDA240	01D9372B	5EEAD4E0	0	00000090	05B16C28	0027C16B	00000000	BC000000
P11	1F1E1C00	0001F12C	BDD5A9C1	0	00000120	FA4E93D7	01D83E94	00000001	BC000000
P11	32D96151	01B45F82	7BAB5382	0	00000241	05B16C28	0027C16B	00000000	BC000000
P11	71159AF2	01B841DA	F756A704	0	00000482	05B16C28	0027C16B	00000000	BC000000
P11	ED8E0E35	01C0068A	EEAD4E08	0	00000905	05B16C28	0027C16B	00000000	BC000000
P11	E67EF48B	01CF8FEB	DD5A9C10	0	0000120B	05B16C28	0027C16B	00000000	BC000000
P11	D860C1C7	01EEAPAD	BAR5382C	0	00002417	05B16C28	0027C16B	00000000	BC000000
P11	BC245BDF	002CCR31	756A7041	0	0000482F	FA4E93D7	01D83E94	00000001	BC000000
P11	6CE50F6E	00A0D8D	EAD4E083	0	0000905E	FA4E93D7	01D83E94	00000001	BC000000
P11	CE68E68D	01C49R44	D5A9C106	0	000120BD	05B16C28	0027C16B	00000000	BC000000
P11	AR34A56B	01D8B35F	AB53820C	0	0002417B	05B16C28	0027C16B	00000000	BC000000
P11	5BCC2327	0000E995	56A70419	0	000482F7	FA4E93D7	01D83E94	00000001	BC000000
P11	AC356DFE	01B25054	AD4E0832	0	000905EE	05B16C28	0027C16B	00000000	BC000000
P11	63CDB44D	01B4237F	5A9C1064	0	00120BDD	05B16C28	0027C16B	00000000	BC000000
P12	B53820C8	002417BA	5A9C1064	0	00120BDD	00000000	00000000	FFFFFFFF	BCFFFFFF

00168

TIME	SIGMA LOGIC SIMULATION, FDL, CASE 0010								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P13	7C000000	002417BA	5A9C1064	0	00120BDD	00000000	00000000	00000000	BC000000
P15	00000000	002417BA	5A9C1064	0	00120BDD	00000000	00000000	00000000	00000000

00169

SIGMA LOGIC SIMULATION, FDL CASE 0011									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	7FA22676	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	7FA22676	00000000	7FA22676	0	00000000	00000000	00000000	FF000000	00000000
P02	7F000000	00A22676	7FA22676	0	00000000	C0DED8F8	01DED8F8	01000000	00000000
P03	C6C5116B	00A22676	7FA22676	0	00A22676	00000000	00000000	00000000	40000000
P04	C6C5116B	00A22676	00000000	0	00000000	6D4970CF	01DED8F8	00000001	40000000
P09	8D8A22D6	01444CED	00000000	0	00000000	6D4970CF	01DED8F8	00000001	40000000
P10	D8D8A22D	001444CE	60000000	0	00000000	6D4970CF	01DED8F8	00000001	41000000
P11	8C443E7A	01E63B8E	C0000000	0	00000000	92B682F0	00212707	00000000	41000000
P11	30F582D5	000EC52C	80000001	0	00000001	6D4970CF	01DED8F8	00000001	41000000
P11	567DFCFB	01DB3C49	00000002	0	00000002	92B682F0	00212707	00000000	41000000
P11	D2690576	01F8C6A1	00000004	0	00000004	92B682F0	00212707	00000000	41000000
P11	CA3F10CC	0033DB52	C0000009	0	0000000C	6D4970CF	01DED8F8	00000001	41000000
P11	6F111B88	00256896	00C00013	0	00000018	6D4970CF	01DED8F8	00000001	41000000
P11	B8853190	000R831D	00000027	0	00000030	6D4970CF	01DED8F8	00000001	41000000
P11	48FD5D40	01CFB82C	0000004E	0	00000060	92B682F0	00212707	00000000	41000000
P11	BD67C060	01DFBF67	C000009C	0	00000000	92B682F0	00212707	00000000	41000000
P11	A03C86A0	0001CADE	00000139	0	00000180	6D4970CF	01DED8F8	00000001	41000000
P11	1B0C0760	00C147AE	00000272	0	00000300	92B682F0	00212707	00000000	41000000
P11	5B8514A0	01C4DD08	C000004E4	0	00000600	92B682F0	00212707	00000000	41000000
P11	DC772F20	01CC08E5	00000908	0	00000C00	92B682F0	00212707	00000000	41000000
P11	DES56420	01DA5FDA	C0001390	0	00001800	92B682F0	00212707	00000000	41000000
P11	E223CE20	01F700C4	00002720	0	00003000	92B682F0	00212707	00000000	41000000
P11	E984A220	00306998	00004E41	0	00006000	6D4970CF	01DED8F8	00000001	41000000
P11	ADFC3E60	001E8522	00009C83	0	00000C00	6D4970CF	01DED8F8	00000001	41000000
P11	368R76E0	01FAR036	00013906	0	00018000	92B682F0	00212707	00000000	41000000
P11	9283F3A0	0037C678	00027200	0	00030000	6D4970CF	01DED8F8	00000001	41000000
P11	FF9AE160	002D3FF7	0004E41B	0	00060000	6D4970CF	01DED8F8	00000001	41000000
P11	D9C8BCE0	00182FC0	0009CR37	0	00000000	6D4970CF	01DED8F8	00000001	41000000
P11	8E2473E0	01EF1172	0013906E	0	00180000	92B682F0	00212707	00000000	41000000

00170

SIGMA LOGIC SIMULATION, FDL CASE 0011									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	4185EFA0	001E70F4	00272000	0	00000000	6D4970CF	01DED8F8	00000001	41000000
P11	5DFED560	01FA9309	004E418A	0	00000000	92B682F0	00212707	00000000	41000000
P11	E16AB0A0	003775C1	0020CR375	0	00000000	6D4970CF	01DED8F8	00000001	41000000
P11	9D685860	002C9774	013906E8	0	01800000	6D4970CF	01DED8F8	00000001	41000000
P11	1563B0E0	0016E0FA	02720007	0	01000000	6D4970CF	01DED8F8	00000001	41000000
P11	055A58E0	01FR88A5	04E418AE	0	00000000	92B682F0	00212707	00000000	41000000
P11	3021B0A0	00196559	00C8375D	0	00000000	6D4970CF	01DED8F8	00000001	41000000
P11	3AD67560	01F07CA3	13906E8A	0	00000000	92B682F0	00212707	00000000	41000000
P11	9B19F0A0	00234755	2720DD75	0	00000000	6D4970CF	01DED8F8	00000001	41000000
P11	10060B60	0004402C	4E418A8F	0	00000000	6D4970CF	01DED8F8	00000001	41000000
P11	FC20B0E0	010K3328	90837506	0	00000000	92B682F0	00212707	00000000	41000000
P11	1DAE67A1	010FB461	39C6E8AC	0	00000001	92B682F0	00212707	00000000	41000000
P11	60C9D522	010FBAD1	72CDD758	0	00000002	92B682F0	00212707	00000000	41000000
P11	E700B024	00018981	E418A8B1	0	00000004	6D4970CF	01DED8F8	00000001	41000000
P11	A8945A69	01C12954	CR375D62	0	00000009	92B682F0	00212707	00000000	41000000
P11	7695B8B3	01C4A0E8	90E8AC4	0	00000013	92B682F0	00212707	00000000	41000000
P11	12987847	01C88F80	20DD7588	0	00000027	92B682F0	00212707	00000000	41000000
P11	4A9DFCAE	01D9600F	418A8B10	0	0000004E	92B682F0	00212707	00000000	41000000
P11	BAARFEBC	01F5282D	83750620	0	0000009C	92B682F0	00212707	00000000	41000000
P11	9ABFC359	002C9F6A	06E8AC41	0	00000139	6D4970CF	01DED8F8	00000001	41000000
P11	10110002	0016EFC6	00D75883	0	00000272	6D4970CF	01DED8F8	00000001	41000000
P11	FAR4FB04	01ER8F7C	18A8B106	0	000004E4	92B682F0	00212707	00000000	41000000
P11	1AD6F0A8	00196009	375D6200	0	0000090C	6D4970CF	01DED8F8	00000001	41000000
P11	1040F4F0	01FC8003	6E8AC41A	0	00001390	92B682F0	00212707	00000000	41000000
P11	45EEEF00	0023A615	DD758835	0	00002720	6D4970CF	01DED8F8	00000001	41000000
P11	6670D9A1	00047E1B	8AFB1068	0	00004E41	6D4970CF	01DED8F8	00000001	41000000
P11	A774AD63	01C6AF27	75D62006	0	00009C83	92B682F0	00212707	00000000	41000000
P11	745660A6	01CFAA5E	EBAC41AC	0	00013906	92B682F0	00212707	00000000	41000000
P11	0E19C72D	01E1A2CC	D7588358	0	00027200	92B682F0	00212707	00000000	41000000
P11	41A0943B	000593A7	AFB10681	0	0004E41B	6D4970CF	01DED8F8	00000001	41000000
P11	5D042297	01C8D93F	5D620062	0	0009C837	92B682F0	00212707	00000000	41000000
P11	E115480F	01D4008D	BAC41AC4	0	0013906E	92B682F0	00212707	00000000	41000000
P11	E79798FD	01EA4F2A	75883588	0	00272000	92B682F0	00212707	00000000	41000000
P12	EB106B11	004F418A	75883588	0	00272000	00000000	00000000	FFFFFFFF	41FFFFFFFF

00171

SIGMA LOGIC SIMULATION, FDL CASE 0011									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	01000000	004E41BA	75883588	0	002720DD	00000000	00000000	00000000	41000000
P15	00000000	004E41BA	75883588	0	002720DD	00000000	00000000	00000000	00000000

00172

SIGMA LOGIC SIMULATION, FDL CASE 0012									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	BFF00000	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PC1	BFF00000	00000000	BFF00000	0	00000000	00000000	00000000	FF000000	00000000
PC2	40000000	01F00000	40F00000	0	00000000	0FF00000	01F00000	01000000	00000000
PC3	00000000	01F00000	40F00000	0	01F00000	00000000	00000000	FFFFFFFF	20FFFFFF
PC4	00000000	01000000	00000000	0	00000000	00000000	01F00000	00000000	1F000000
PC5	00000000	01000000	00000000	0	01000000	00000000	01F00000	00000000	1F000000
PC6	00000000	01000000	00000000	0	01000000	00000000	01F00000	00000000	20000000
PC7	00000000	01000000	00000000	0	01000000	00000000	01F00000	00000000	20000000
PC8	00000000	01000000	00000000	0	00000000	00000000	01000000	00000000	20000000
PC9	00000000	00200000	00000000	0	00000000	00000000	01000000	00000000	21000000
P11	00000000	00400000	00000000	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00800000	00000000	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	01000000	00000000	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000001	0	00000000	00000000	01000000	00000000	21000000
P11	00000000	00000000	00000002	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000004	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000008	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000010	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000020	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000040	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000080	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000100	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000200	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000400	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00000800	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000
P11	00000000	00000000	00001000	0	00000000	FFFFFFFF	00FFFFFF	00000001	21000000

00175

SIGMA LOGIC SIMULATION, FDL CASE 0013									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	258BE147	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	258BE147	00000000	258BE147	0	00000000	00000000	00000000	FF000000	00000000
P02	25000000	008BE147	258BE147	0	00000000	ED0369CF	010369CF	01000000	00000000
P03	56AE37BF	008BE147	258BF147	0	008BE147	00000000	00000000	00000000	13000000
P04	56AE37BF	008BE147	00000000	0	00000000	DF1357BD	010369CF	00000000	13000000
P09	AD5C6F7E	0117C28E	00000000	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	18DF8E76	003658BD	00000001	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	EFE5CC66	00738519	00000002	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	21A4E952	00E03694	00000004	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	8523232A	01B99988	00000008	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	4C1F96DA	016C5F71	00000011	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	8665DD2E	00DF9282	00000023	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	6AF269D6	01C5F8A4	00000046	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	17BE2432	01851DA9	0000008D	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	EDA2F7DE	01110EF1	0000011B	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	996C9F36	0028F183	00C00237	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	F0FFDE66	005886A6	00C0046E	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	23D92C52	00AA99AE	000008DC	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	898BA92A	014E5FBC	00C011B8	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	54F0A2DA	0095EBD9	00C02371	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	6807F52E	0132AB52	000046E2	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	11E93AE2	005E8305	00008DC5	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	E1F9253E	00C3D9A9	00011B8A	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	05CB9302	0180DFB4	00C23714	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	4D70868A	00FAE8C8	00C46E29	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	5907BC8E	01FCAR30	00C8DC52	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	F3E8C9A2	01F282C0	0011B8A5	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	A5F842BE	01EBD921	00C23714	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	0A1734F6	01DF85E3	0046E297	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	D2551966	01C3DF65	008DC52F	0	00000000	DF1357BD	010369CF	00000000	13000000

00176

SIGMA LOGIC SIMULATION, FDL CASE 0013									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	62D0E246	018F926B	011B8A5F	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	83C87406	0123F876	023714BF	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	C5B79786	004FC48C	046E297F	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	4995DE86	00A45C89	08DC52FF	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	D5050D92	0141C5D2	11B8A5FC	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	EBE36RAA	007CF8C5	23714BF9	0	00000000	DF1357BD	010369CF	00000000	13000000
P11	95ED86CE	0100C3AB	46E297F2	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	6DB45E22	01FAB3B7	8DC52FE4	0	00000000	20ECA842	00FC9630	00000001	13000000
P11	1D420CCB	01EE93CF	13FA5FC9	0	00000001	DF1357BD	010369CF	00000000	13000000
P11	F8AAC910	01F3F93D	3714BF93	0	00000002	DF1357BD	010369CF	00000000	13000000
P11	AF7C419A	01CECA1B	6E297F27	0	00000004	DF1357BD	010369CF	00000000	13000000
P11	1D1F32AE	01A467D7	DC52FE4F	0	00000008	DF1357BD	010369CF	00000000	13000000
P11	F86514D7	014FA34D	B8A5FC9F	0	00000011	DF1357BD	010369CF	00000000	13000000
P11	AEF0D929	00A61A3B	714BF93F	0	00000023	DF1357BD	010369CF	00000000	13000000
P11	1C0861CC	01530817	E297F27E	0	00000046	20ECA842	00FC9630	00000001	13000000
P11	79EA141F	009F3C8E	C52FE4FD	0	0000008D	DF1357BD	010369CF	00000000	13000000
P11	B1FAD7B9	01454C8C	8A5FC9FA	0	0000011B	20ECA842	00FC9630	00000001	13000000
P11	A5CEFFF9	0083C5D9	14BF93F5	0	00000237	DF1357BD	010369CF	00000000	13000000
P11	09C4AF6C	010F5F53	297F27EA	0	00C0046E	20ECA842	00FC9630	00000001	13000000
P11	5562AF5E	0015EB06	52FE4FD5	0	000008DC	DF1357BD	010369CF	00000000	13000000
P11	68CC0E36	003PA9AC	A5FC9FAA	0	000011B8	20ECA842	00FC9630	00000001	13000000
P11	13B16CF3	005E7F89	4BF93F54	0	00002371	20ECA842	00FC9630	00000001	13000000
P11	693C2A6C	00B62BD2	97F27EA8	0	000046E2	20ECA842	00FC9630	00000001	13000000
P11	1451A55F	016584C5	2FE4FD50	0	00008DC5	20ECA842	00FC9630	00000001	13000000
P11	6A7C9B44	00C4346A	5FC9FAA1	0	00011B8A	DF1357BD	010369CF	00000000	13000000
P11	931FE6C2	018F3C74	BF93F542	0	00023714	20ECA842	00FC9630	00000001	13000000
P11	68191C8B	0117A549	7F27EA85	0	00046E29	DF1357BD	010369CF	00000000	13000000
P11	8E58E89D	00361F32	FE4FD50B	0	0008DC52	DF1357BD	010369CF	00000000	13000000
P11	DA08809B	00731004	FC9FAA16	0	00011B8A5	20ECA842	00FC9630	00000001	13000000
P11	F78A51BD	00DF4C69	F93F542C	0	0023714B	20ECA842	00FC9630	00000001	13000000
P11	30EDF401	0187C534	F27EA858	0	0046E297	20ECA842	00FC9630	00000001	13000000
P12	E4FD50B1	008DC52F	F27EA858	0	0046E297	00000000	00000000	FFFFFFF	13FFFFFF
P13	53723ADD	01723ADD	F27EA858	0	0046E297	00000000	00000000	FF000000	13000000

00177

SIGMA LOGIC SIMULATION, FDL CASE 0013									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	AC723ADC	01723ADC	F27EA858	0	0046E297	00000000	00000000	00000000	00000000

00178

SIGMA LOGIC SIMULATION, FDL CASE 0014									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	E135798D	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	E135798D	00000000	E135798D	0	00000000	00000000	00000000	FF000000	00000000
P02	1E000000	0135798D	1E35798D	0	00000000	F2468ACE	01468ACE	01000000	00000000
P03	8147AD03	0135798D	1E35798D	0	0135798D	00000000	00000000	FFFFFFF7	11FFFFFF
P04	7EB852FD	00CA8A42	00000000	0	00000000	E26AE38D	01468ACE	00000000	11000000
P09	F070A5FA	01950F84	00000000	0	00000000	E26AE38D	01468ACE	00000000	11000000
P10	4FD70A5F	001950C8	A0000000	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	6483DB09	008FB72E	40000000	0	00000001	1D951C72	00B97531	00000000	12000000
P11	0431F098	00F2586F	80000000	0	00000002	1D951C72	00B97531	00000000	12000000
P11	438E1A17	015798FD	00000000	0	00000005	1D951C72	00B97531	00000000	12000000
P11	C2466D14	00222222	00000001	0	0000000A	E26AE38D	01468ACE	00000000	12000000
P11	4962A142	00F159E3	00000002	0	00000014	1D951C72	00B97531	00000000	12000000
P11	0DF7B56A	01159F28	00000004	0	00100028	1D951C72	00B97531	00000000	12000000
P11	D7092F3A	019F24E3	00000008	0	0000005C	1D951C72	00B97531	00000000	12000000
P11	E93C985A	0CAF37C9	00000011	0	000000A0	E26AE38D	01468ACE	00000000	12000000
P11	974EF7CE	01E88531	00000022	0	00000140	1D951C72	00B97531	00000000	12000000
P11	69C82882	0149F4C5	00000045	0	00000280	E26AE38D	01468ACE	00000000	12000000
P11	9866181E	0120FF28	0000008B	0	00000500	E26AE38D	01468ACE	00000000	12000000
P11	F5A1F756	00CF13EE	00000117	0	00000A00	E26AE38D	01468ACE	00000000	12000000
P11	B01985C6	002B377B	0000022F	0	00001400	E26AE38D	01468ACE	00000000	12000000
P11	250932A6	00E39A95	0000045E	0	00002800	1D951C72	00B97531	00000000	12000000
P11	853C9E32	013A088C	000008BC	0	00005000	1D951C72	00B97531	00000000	12000000
P11	45A3754A	01F7017B	00001178	0	0000A000	1D951C72	00B97531	00000000	12000000
P11	C671237A	0140E058	000022F1	0	00014000	E26AE38D	01468ACE	00000000	12000000
P11	51980E0F	010FF74F	000045E3	0	00028000	E26AE38D	01468ACE	00000000	12000000
P11	6845E336	00AAF43C	00008BC7	0	00050000	E26AE38D	01468ACE	00000000	12000000
P11	95618D86	01E30216	0001178E	0	000A0000	1D951C72	00B97531	00000000	12000000
P11	65ED53F2	0138EF8F	00022F1D	0	00140000	E26AE38D	01468ACE	00000000	12000000
P11	9CB06EFF	00FFF2BC	00045E38	0	00280000	E26AE38D	01468ACE	00000000	12000000

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SIGMA LOGIC SIMULATION, FDL CASE 0014									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	E636A516	008AFB16	0008BC77	0	00500000	E26AE38D	01468ACE	00000000	12000000
P11	91431146	01A305CB	001178EE	0	00A00000	1D951C72	00B97531	00000001	12000000
P11	50805B72	008901F9	0022F1DD	0	01400000	E26AE38D	01468ACE	00000000	12000000
P11	80367DFE	01FF1990	0045E3BA	0	00500000	1D951C72	00B97531	00000001	12000000
P11	3B9734E2	01711D83	008BC775	0	01000000	E26AE38D	01468ACE	00000000	12000000
P11	3C0430DE	016F50A4	01178EEB	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	3CDE28D6	016BB6E6	022F1DD7	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	3E9218C6	0164836A	045E3BAF	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	41F9F8A6	01561C72	08BC775F	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	48C9B866	01394E82	1178EEBF	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	566937E6	00FFB2A2	22F1DD7F	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	71A836E6	008C7AE2	45E3BAFF	0	00000000	E26AE38D	01468ACE	00000000	12000000
P11	A82634E6	01A60862	8BC775FE	0	00000000	1D951C72	00B97531	00000001	12000000
P11	8B76A2B3	00BF0127	178EEBFD	0	00000001	E26AE38D	01468ACE	00000000	12000000
P11	DBC30C80	000B17EC	2F1DD7FB	0	00000002	E26AE38D	01468ACE	00000000	12000000
P11	7C5BE01A	00A34577	5E3BAFF6	0	00000004	1D951C72	00B97531	00000001	12000000
P11	33E1F91A	00B97551	BC775FEC	0	00000008	1D951C72	00B97531	00000001	12000000
P11	A2EE2B1B	00E5D504	78FEBFD8	0	00000011	1D951C72	00B97531	00000001	12000000
P11	81068F1C	013E946B	F1DD7FB0	0	00000022	1D951C72	00B97531	00000001	12000000
P11	3D37571F	01F01339	E3BAFF60	0	00000045	1D951C72	00B97531	00000001	12000000
P11	B598F725	015317D4	C775FEC1	0	0000008B	E26AE38D	01468ACE	00000000	12000000
P11	30079565	01333747	8EFBFD83	0	00000117	E26AE38D	01468ACE	00000000	12000000
P11	24E4F1E5	00F3842C	1DD7FB07	0	0000022F	E26AE38D	01468ACE	00000000	12000000
P11	0E9FAAF4	007417F6	3BAFF6CF	0	0000045E	E26AE38D	01468ACE	00000000	12000000
P11	E2151CF2	01755189	775FEC1E	0	000008BC	1D951C72	00B97531	00000001	12000000
P11	FF5472AA	00508075	FEBFD83D	0	00001178	E26AE38D	01468ACE	00000000	12000000
P11	C37EAC6F	01483089	DD7FB07A	0	000022F1	1D951C72	00B97531	00000001	12000000
P11	C22791C5	00C34975	BAFF60F5	0	000045E3	E26AE38D	01468ACE	00000000	12000000
P11	4924EAA5	0093AC89	75FEC1EA	0	00008BC7	1D951C72	00B97531	00000001	12000000
P11	CD740E30	009A4374	EBFD83D4	0	0001178E	1D951C72	00B97531	00000001	12000000
P11	D6125547	0CA7714B	D7FB07A8	0	00022F1D	1D951C72	00B97531	00000001	12000000
P11	E74EE375	00C1CCF9	AFF60F5C	0	00045E3B	1D951C72	00B97531	00000001	12000000
P11	09C7FFD1	00F68456	5FFC1EAO	0	0008BC77	1D951C72	00B97531	00000001	12000000
P12	BFD83D40	001178EE	5FEC1EAO	0	0008BC77	00000000	00000000	FFFFFFF	12FFFFFF

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SIGMA LOGIC SIMULATION, FDL CASE 0014									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	521178EE	001178EE	5FEC1EAO	0	0008BC77	00000000	00000000	00000000	12000000
P15	521178EE	001178EE	5FEC1EAO	0	0008BC77	00000000	00000000	00000000	00000000

00181

SIGMA LOGIC SIMULATION, FDL CASE 0015									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	27C16B05	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PO1	27C16B05	00000000	27C16B05	0	00000000	00000000	00000000	FF000000	00000000
PO2	27000000	00C16B05	27C16B05	0	00000000	E8740C84	01740C84	01000000	00000000
PO3	F37BF49E	00C16B05	27C16B05	0	00C16B05	00000000	00000000	00000000	13000000
PO4	F37BF49E	00C16B05	00000000	0	00000000	1D950B60	01740C84	00000001	13000000
PO9	E6F7E93C	0182D60B	00000000	0	00000000	1D950B60	01740C84	00000001	13000000
P10	8E6F7E93	00182E09	00000000	0	00000000	1D950B60	01740C84	00000001	14000000
P11	880913E9	011R73C9	80000000	0	00000001	E26AF49F	008BF37B	00000000	14000000
P11	34E81111	014R0CF8B	00000000	0	00000003	E26AF49F	008BF37B	00000000	14000000
P11	2EA60560	01A9840E	00000000	0	00000006	E26AF49F	008BF37B	00000000	14000000
P11	2221FFFE	006AEF14	00000001	0	0000000C	1D950B60	01740C84	00000001	14000000
P11	7F6E16BE	018DF730	00000002	0	00000018	E26AF49F	008BF37B	00000000	14000000
P11	C38216BA	0093D558	00000005	0	00000030	1D950B60	01740C84	00000001	14000000
P11	C28E4436	000FC3B9	0000000B	0	00000060	1D950B60	01740C84	00000001	14000000
P11	C0469F2E	0107A77B	00000016	0	000000C0	E26AF49F	008BF37B	00000000	14000000
P11	4563279A	0127E7EF	0000002C	0	00000180	E26AF49F	008BF37B	00000000	14000000
P11	4F9C3872	016636D6	00000058	0	00000300	E26AF49F	008BF37B	00000000	14000000
P11	640E5A22	01F454A4	00000080	0	00000600	E26AF49F	008BF37B	00000000	14000000
P11	8CF9D922	00CF0C40	00000161	0	00000C00	1D950B60	01740C84	00000001	14000000
P11	550F51C6	00A93989	000002C3	0	00001800	1D950B60	01740C84	00000001	14000000
P11	E548BA5E	003A8C1A	00000587	0	00003000	1D950B60	01740C84	00000001	14000000
P11	05888B5E	0150313E	0000080E	0	00006000	E26AF49F	008BF37B	00000000	14000000
P11	004CFFFA	01D24973	0000161C	0	0000C000	E26AF49F	008BF37B	00000000	14000000
P11	656FE93P	008C79DF	00002C39	0	00018000	1D950B60	01740C84	00000001	14000000
P11	0609E926	00610C7	00005873	0	00030000	1D950B60	01740C84	00000001	14000000
P11	4730E90C	01AA3296	000080C6	0	00060000	E26AF49F	008BF37B	00000000	14000000
P11	53518B5A	006C4C24	000161CD	0	000C0000	1D950B60	01740C84	00000001	14000000
P11	E1CD8D76	01C0B150	0002C39A	0	00180000	E26AF49F	008BF37B	00000000	14000000
P11	8871042A	00994999	00058735	0	00300000	1D950B60	01740C84	00000001	14000000

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SIGMA LOGIC SIMULATION, FDL CASE 0015									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	4C0C1F16	001AAC3B	000B0F6P	0	00500000	1D950B60	01740C84	00000001	14000000
P11	D34254EE	011D717E	00161CD6	0	00000000	E26AF49F	008BF37B	00000000	14000000
P11	695A931A	0152C9F5	002C39AC	0	01800000	E26AF49F	008BF37B	00000000	14000000
P11	9B8BC072	018D7AF2	00587358	0	01000000	E26AF49F	008BF37B	00000000	14000000
P11	F8E0C822	0092DFEC	0080E681	0	00000000	1D950B60	01740C84	00000001	14000000
P11	33022706	000DD282	01F1C063	0	00000000	1D950B60	01740C84	00000001	14000000
P11	A12E640C	01C3BF0C	02C39AC6	0	00000000	E26AF49F	008BF37B	00000000	14000000
P11	0732B2DA	011F6311	0087358C	0	00000000	E26AF49F	008BF37B	00000000	14000000
P11	D33B4EFP	0156AD19	000C6B18	0	00000000	E26AF49F	008BF37B	00000000	14000000
P11	6B4C8722	01C5412B	161CD630	0	00000000	E26AF49F	008BF37B	00000000	14000000
P11	9B6EF782	00A2694E	2C39AC61	0	00000000	1D950B60	01740C84	00000001	14000000
P11	7208C506	002CE8A5	587358C3	0	00000000	1D950B60	01740C84	00000001	14000000
P11	1F3A224F	0141FC53	B0F6B186	0	00000000	E26AF49F	008BF37B	00000000	14000000
P11	034A2D0B	019BC79E	61CD630C	0	00000001	E26AF49F	008BF37B	00000000	14000000
P11	CB6A44F4	004F7633	C39AC619	0	00000002	1D950B60	01740C84	00000001	14000000
P11	01FEA0AB	01R7056F	87358C32	0	00000005	E26AF49F	008BF37B	00000000	14000000
P11	68D32A95	0025F1D7	0E6R186F	0	00000008	1D950B60	01740C84	00000001	14000000
P11	00006BEC	0133FCF7	1CD630CA	0	00000014	E26AF49F	008BF37B	00000000	14000000
P11	DE76C116	017FE065	39AC6194	0	0000002C	E26AF49F	008BF37B	00000000	14000000
P11	81C36B6A	0017A7C3	7358C329	0	00000058	1D950B60	01740C84	00000001	14000000
P11	3E90E096	0117698F	E6B18652	0	00000080	E26AF49F	008BF37B	00000000	14000000
P11	4237C46B	01468R16	00630CA4	0	00000161	E26AF49F	008BF37B	00000000	14000000
P11	49457215	01A55724	9AC61948	0	000002C3	E26AF49F	008BF37B	00000000	14000000
P11	5760C069	00629540	358C3291	0	00000587	1D950B60	01740C84	00000001	14000000
P11	E9EBB194	01AD4388	6B186522	0	0000080E	E26AF49F	008BF37B	00000000	14000000
P11	98AD4C66	00726F09	0630CA45	0	0000161C	1D950B60	01740C84	00000001	14000000
P11	6C84AF8F	01CFF51B	AC61948A	0	00000C39	E26AF49F	008BF37B	00000000	14000000
P11	90DF485D	00B1D12E	58C32915	0	00005873	1D950B60	01740C84	00000001	14000000
P11	76E8A77C	004R8B65	B186522B	0	000080E6	1D950B60	01740C84	00000001	14000000
P11	28FB658B	017F8FD3	630CA456	0	000161CD	E26AF49F	008BF37B	00000000	14000000
P11	16CCB484	0017069E	C61948AD	0	0002C39A	1D950B60	01740C84	00000001	14000000
P11	68C3802B	01162644	8C32915A	0	00058735	E26AF49F	008BF37B	00000000	14000000
P11	965CE995	01443380	186522B4	0	000B0F68	E26AF49F	008BF37B	00000000	14000000
P12	30CA4568	00161CD6	186522B4	0	000B0E6B	00000000	00000000	FFFFFFF7	14FFFFFFF

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TIME	SIGMA LOGIC SIMULATION, FDL CASE 0015								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	54161CD6	00161CD6	186522B4	0	000B0E6B	00000000	00000000	00000000	14000000
P15	54161CD6	00161CD6	186522B4	0	000B0E6B	00000000	00000000	00000000	00000000

00184

TIME	SIGMA LOGIC SIMULATION, FDL CASE 0016								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	F0259E49	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	F0259E49	00000000	F0259E49	0	00000000	00000000	00000000	FF000000	00000000
P02	0F000000	01259E49	0F259E49	0	00000000	FBE159F0	01F159F0	01000000	00000000
P03	45AE739F	01259F49	0F259E49	0	01259E49	00000000	00000000	FFFFFFF0	CBFFFFFF
P04	8A518C61	00DA61B6	00000000	0	00000000	28CE5BDF	01E159F0	00000000	0B000000
P09	74A318C2	01B4C36D	00000000	0	00000000	28CE5BDF	01E159F0	00000000	0B000000
P10	D74A318C	001B4C36	20000000	0	00000000	28CE5BDF	01E159F0	00000000	00000000
P11	00311A06	01F94C4E	40000000	0	00000000	D731A420	001EA60F	00000000	00000000
P11	AEC57DDE	002FE48B	80000001	0	00000000	28CE5BDF	01E159F0	00000000	00000000
P11	AF27B39F	00227057	00000003	0	00000001	28CE5BDF	01E159F0	00000000	00000000
P11	AFFC1EF4	0007AF8F	00000007	0	00000002	28CE5BDF	01E159F0	00000000	00000000
P11	B174F5A6	01D210FF	0000000E	0	00000004	D731A420	001EA60F	00000000	00000000
P11	114D338E	01F16F1F	00000010	0	00000008	D731A420	001EA60F	00000000	00000000
P11	D0FCAF5E	0000285D	00000039	0	00000010	28CE5BDF	01E159F0	00000000	00000000
P11	F398167A	01C3049B	00000072	0	00000020	D731A420	001EA60F	00000000	00000000
P11	95937536	01C35557	000000E4	0	00000040	D731A420	001EA60F	00000000	00000000
P11	098A32AE	01C3F4CE	000001C8	0	00000080	D731A420	001EA60F	00000000	00000000
P11	6177AD9F	01C539BD	00000390	0	00000100	D731A420	001EA60F	00000000	00000000
P11	7152A37E	01C7BF9A	00000720	0	00000200	D731A420	001EA60F	00000000	00000000
P11	91C88F3E	01CC0954	00000F40	0	00000400	D731A420	001EA60F	00000000	00000000
P11	D07466BE	01D6E2C8	00001C80	0	00000800	D731A420	001EA60F	00000000	00000000
P11	4F4C158E	01ER11B1	00003900	0	00001000	D731A420	001EA60F	00000000	00000000
P11	4CFB734E	00136F82	00007201	0	00002000	28CE5BDF	01E159F0	00000000	00000000
P11	EB939F3A	01E992E4	0000E402	0	00004000	D731A420	001EA60F	00000000	00000000
P11	858A8686	001071E9	00C1C8C5	0	00008000	28CE5BDF	01E159F0	00000000	00000000
P11	5C81C52A	01E397B3	00C3900A	0	00010000	D731A420	001EA60F	00000000	00000000
P11	67C6C296	00047R86	00072015	0	00020000	28CE5BDF	01E159F0	00000000	00000000
P11	212A5CEA	01C8AAED	00CF402A	0	00040000	D731A420	001EA60F	00000000	00000000
P11	F0B80216	01D4A1F9	001C8054	0	00080000	D731A420	001EA60F	00000000	00000000

00185

SIGMA LOGIC SIMULATION, FDL, CASE 0016									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	8F034C6E	01E69013	003900A8	0	00100000	D731A420	001EA60F	00000001	0C000000
P11	CE09E11E	000A6C46	00720151	0	00200000	28CE5BDF	01F159F0	00000000	0C000000
P11	EDB079FA	01D78C6D	00E402A2	0	00400000	D731A420	001EA60F	00000001	0C000000
P11	89C43C36	01EC64FB	01C80544	0	00800000	D731A420	001EA60F	00000001	0C000000
P11	C1EBC0AE	00161616	03900A89	0	01000000	28CE5BDF	01E159F0	00000000	0C000000
P11	D574391A	01FEE00D	07201512	0	00000000	D731A420	001EA60F	00000001	0C000000
P11	5948BA76	00180C3B	0E402A25	0	00000000	28CE5BDF	01E159F0	00000000	0C000000
P11	04342CAA	01F8CC57	1C80544A	0	00000000	D731A420	001EA60F	00000001	0C000000
P11	B6CBA196	002EE4CD	3900A895	0	00000000	28CE5BDF	01E159F0	00000000	0C000000
P11	BF33FAEA	0020707B	7201512B	0	00000000	28CE5BDF	01E159F0	00000000	0C000000
P11	D004AD92	0003AFC7	E402A257	0	00000000	28CE5BDF	01E159F0	00000000	0C000000
P11	F1A612E3	01CA118F	C80544AE	0	00000001	D731A420	001EA60F	00000001	0C000000
P11	91AF6E09	01D16F3F	900A895C	0	00000003	D731A420	001EA60F	00000001	0C000000
P11	D1C22455	01F0249E	201512B8	0	00000007	D731A420	001EA60F	00000001	0C000000
P11	51E79CEC	01FDA15D	402A2570	0	0000000E	D731A420	001EA60F	00000001	0C000000
P11	52326A1A	00388EDA	80544AE1	0	0000001C	28CE5BDF	01F159F0	00000000	0C000000
P11	F6018BF3	0033D194	00A895C3	0	00000039	28CE5BDF	01E159F0	00000000	0C000000
P11	309FCFA4	002A570A	01512B87	0	00000072	28CE5BDF	01E159F0	00000000	0C000000
P11	CD0C5706	001761F4	02A2570F	0	000000E4	28CE5BDF	01E159F0	00000000	0C000000
P11	EB5565CA	01F177C9	0544AE1E	0	000001C8	D731A420	001EA60F	00000001	0C000000
P11	850E13D6	002038B3	0A895C3D	0	00000390	28CE5BDF	01E159F0	00000000	0C000000
P11	5BB8DF6A	00032847	1512B870	0	00000720	28CE5BDF	01E159F0	00000000	0C000000
P11	090E7692	01C90A6F	2A2570F0	0	00000E40	D731A420	001EA60F	00000001	0C000000
P11	C0803566	01CF60FD	544AE1EC	0	00001C80	D731A420	001EA60F	00000001	0C000000
P11	2F63B30E	01D0CE1B	A895C3D8	0	00003900	D731A420	001EA60F	00000001	0C000000
P11	0D2AAE5F	01F56856	512B8730	0	00007201	D731A420	001EA60F	00000001	0C000000
P11	C888A500	00281CCB	A2570F61	0	0000E402	28CE5BDF	01E159F0	00000000	0C000000
P11	E30E018F	0012ED77	44AE1EC3	0	0001C805	28CE5BDF	01E159F0	00000000	0C000000
P11	1798BB3C	01E88ED0	895C3D86	0	0003900A	D731A420	001EA60F	00000001	0C000000
P11	DD048FBB	000E69BF	12B87B0D	0	00072015	28CE5BDF	01E159F0	00000000	0C000000
P11	0D463534	01CF8760	2570F61A	0	000E402A	D731A420	001EA60F	00000001	0C000000
P11	C8EFB2AA	01FC5ADF	4AE1FC34	0	001C8054	D731A420	001EA60F	00000001	0C000000
P11	4042AD96	003601DF	95C3D869	0	003900A8	28CE5BDF	01F159F0	00000000	0C000000
P12	28R7E0D3	00720151	95C3D869	0	003900A8	00000000	00000000	FFFFFFFF	CCFFFFFF

00186

SIGMA LOGIC SIMULATION, FDL, CASE 0016									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	4C720151	00720151	95C3D869	0	003900A8	00000000	00000000	00000000	0C000000
P15	4C720151	00720151	95C3D869	0	003900A8	00000000	00000000	00000000	0C000000

00187

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31 B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	8ACE9FBD	00000000	00000000	0	00000000	00000000	00000000	00000000
P01	8ACE9FBD	00000000	8ACE9FBD	0	00000000	00000000	FF000000	00000000
P02	75000000	01CF9FBD	75CE9FBD	0	00000000	A5C19180	01000000	00000000
P03	A13BF37D	01CE9FBD	75CE9FBD	0	01CE9FBD	00000000	FFFFFFF	1BFFFFFF
P04	5EC40C83	00316042	00000000	0	00000000	D71BA4E8	01C19180	00000001
P09	BD881906	0062C084	00000000	0	00000000	D71BA4E8	01C19180	00000001
P11	294778DE	0048A40B	00000001	0	00000000	D71BA4E8	01C19180	00000001
P11	00C6418E	00146B18	00000003	0	00000000	D71BA4E8	01C19180	00000001
P11	AFC3CCEE	01ABF931	00000006	0	00000000	28E45B17	003E6E7F	00000000
P11	B150500A	01D4CF61	0000000C	0	00000000	28E45B17	003E6E7F	00000000
P11	B469564F	002678C1	00000019	0	00000000	D71BA4E8	01C19180	00000001
P11	1709F656	01D01A85	00000032	0	00000000	28E45B17	003E6E7F	00000000
P11	7FDCA2DA	00101208	00000065	0	00000000	D71BA4E8	01C19180	00000001
P11	ADF08F86	01B04712	000000CA	0	00000000	28E45B17	003E6E7F	00000000
P11	ADA9D53A	01F76923	00000194	0	00000000	28E45B17	003E6E7F	00000000
P11	AD1C60A2	0068B3A5	00000329	0	00000000	D71BA4E8	01C19180	00000001
P11	0R700516	005A898D	00000653	0	00000000	D71BA4E8	01C19180	00000001
P11	BF175FFE	0038361B	00000CA7	0	00000000	D71BA4E8	01C19180	00000001
P11	2C66090F	01F38F39	0000194F	0	00000000	28E45B17	003E6E7F	00000000
P11	AA94C9CA	0063F870	0000329D	0	00000000	D71BA4E8	01C19180	00000001
P11	0360DD66	004B19E3	0000653B	0	00000000	D71BA4E8	01C19180	00000001
P11	84F9049E	001956C7	00000CA7	0	00000000	D71BA4E8	01C19180	00000001
P11	1829530E	0185D091	000194FE	0	00000000	D71BA4E8	01C19180	00000001
P11	82185C4A	01F87F20	000329DC	0	00000000	28E45B17	003E6E7F	00000000
P11	55FF6FC2	004DD83F	0000653B	0	00000000	D71BA4E8	01C19180	00000001
P11	5A362756	001ED580	0000CA77	0	00000000	D71BA4E8	01C19180	00000001
P11	62A3987E	01C0CF02	00194FE6	0	00000000	28E45B17	003E6E7F	00000000
P11	170FE72A	01FE7903	00329DCC	0	00000000	28E45B17	003E6E7F	00000000
P11	7FE88482	0079CF04	00653B99	0	00000000	D71BA4E8	01C19180	00000001
P11	AEC85206	0076C10A	00CA7733	0	00000000	D71BA4E8	01C19180	00000001

00188

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31 B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	0A47FF7F	0070A517	0194FE67	0	00000000	D71BA4E8	01C19180	00000001
P11	C2C728CF	0064672F	0329DCCF	0	00000000	D71BA4E8	01C19180	00000001
P11	33F595AE	004FE161	0053B99F	0	00000000	D71BA4E8	01C19180	00000001
P11	15C280AE	001B1704	00A7733F	0	00000000	D71BA4E8	01C19180	00000001
P11	098C482E	01E95F89	194FE67F	0	00000000	28E45B17	003E6E7F	00000000
P11	05414CA8	01E9A112	329DCCFC	0	00000000	28E45B17	003E6E7F	00000000
P11	5C4B4F42	00571122	653B99F9	0	00000000	D71BA4E8	01C19180	00000001
P11	66C9E85A	00384546	CA7733FF	0	00000000	D71BA4E8	01C19180	00000001
P11	7B03167F	01E9A09E	94FE67E6	0	00000001	28E45B17	003E6E7F	00000000
P11	49AEE020	00703918	28E45B17	0	00000003	D71BA4E8	01C19180	00000001
P11	4115202C	00689738	53F99F38	0	00000006	D71BA4E8	01C19180	00000001
P11	30A18A2A	004A4972	A7733F37	0	00000000	D71BA4E8	01C19180	00000001
P11	0EFA5E27	00178556	4FE67E6F	0	00000019	D71BA4E8	01C19180	00000001
P11	C2C06670	01328FCD	30CFC09E	0	00000032	28E45B17	003E6E7F	00000000
P11	EA20C26F	01E1FA99	3899F9DC	0	00000065	28E45B17	003E6E7F	00000000
P11	26A4320C	00400022	7733F379	0	000000CA	D71BA4E8	01C19180	00000001
P11	FA4BFF0A	00040765	FE67E6F3	0	00000194	D71BA4E8	01C19180	00000001
P11	APCE08A7	018CF10D	00CFC09E	0	00000329	28E45B17	003E6E7F	00000000
P11	97664970	01944099	E99F9DC0	0	00000653	28E45B17	003E6E7F	00000000
P11	80954229	01A95E31	733F3798	0	00000CA7	28E45B17	003E6E7F	00000000
P11	52F34A20	01CF9961	F67E6F30	0	0000194E	28E45B17	003E6E7F	00000000
P11	F7AF472F	00100F00	CCFC09E1	0	0000329D	D71BA4E8	01C19180	00000001
P11	9D950A31	018A4283	99F99DC2	0	0000653B	28E45B17	003E6E7F	00000000
P11	8CF46A31	01F36205	3F3798F4	0	0000CA77	28E45B17	003E6E7F	00000000
P11	68E18390	0068A109	67E6F309	0	000194EE	D71BA4E8	01C19180	00000001
P11	859A5272	004A6514	CF0F613	0	000329DC	D71BA4E8	01C19180	00000001
P11	B9A8A027	0017020A	9F99DC22	0	000653B9	D71BA4E8	01C19180	00000001
P11	210F1F41	0182F057	3F37984E	0	000CA773	28E45B17	003E6E7F	00000000
P11	9366F480	01E2070C	7E6F3029	0	00194FE6	28E45B17	003E6E7F	00000000
P11	79969F8F	00428C57	F0FE6139	0	00329DCC	D71BA4E8	01C19180	00000001
P11	A164851F	006839E0	F9FCC273	0	00653B99	D71BA4E8	01C19180	00000001
P12	F37984E6	00CA7733	F9FCC273	0	00653B99	00000000	00000000	FFFFFFF
P13	5B3588CC	013588CC	F9FCC273	0	00653B99	00000000	00000000	FF000000

00189

SIGMA LOGIC SIMULATION, FDL CASE 0017

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	A43588CC	013588CC	F9BCC273	0	00653B99	00000000	00000000	00000000	00000000

00190

SIGMA LOGIC SIMULATION, FDL CASE 0018

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	A09CD39F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	A09CD39F	00000000	A'9CD39F	0	00000000	00000000	00000000	FF000000	00000000
P02	5F000000	019CD39F	5F9CD39F	0	00000000	CE8C26A8	018C26A8	01000000	00000000
P03	F4AD1703	019CD39F	5F9CD39F	0	019CD39F	00000000	00000000	FFFFFFF	2EFFFFFF
P04	0B5FE72F	00692060	00000000	0	00000000	F67B159D	018C26A8	00000000	2E000000
P09	165FD05A	00C658C0	00000000	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	1750B8E	00A4FF02	00000001	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	21F1C316	00674AF6	00000003	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	30R9B166	010CE93E	00000006	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	747D3792	00A1792A	00000000	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	D5F09A6E	005R3FA6	00000010	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	98D75FF6	01CECC9F	00000036	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	44B894H2	008548ED	00000060	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	7667549F	002E5F2C	0000000B	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	D9C4D476	015E17AA	00000136	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	C6937DB2	01A3E203	0000036C	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	AC30DD7A	002F7685	00000609	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	2D570B8F	01773A5D	00000082	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	6D8968E2	01062928	00001564	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	EE7CAC8A	009402FE	000036C9	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	C9FF844E	0040534F	00000033	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	80D53306	0198F3F1	00000B26	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	14B43C72	00199A91	0001B64D	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	165EA41E	014RR074	00036C9A	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	3FC71D02	017E0796	00060934	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	92980ECA	01E5210A	00008268	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	3839F25A	00B1FA63	00186401	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	5D6A0FFF	007C3A18	0036C9A3	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	A7CA4816	0010C182	006D9347	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	3CRAC166	0139D057	000B268E	0	00000000	0984EA62	0073D957	00000001	2E000000

00191

SIGMA LOGIC SIMULATION, FDL, CASE 0018									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	8C1F5792	0159535C	01B64D1C	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	2B4883EA	019E5967	036C9A38	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	699ADC9A	0024657C	06F93471	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	C02RE46F	0161184A	0DR268E2	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	93619DA2	01A9E343	1864D1C4	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	39CD100A	003B7935	36C9A3F9	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	609C4B4E	018F3FEC	6934712	0	00000000	0984EA62	0073D957	00000001	2E000000
P11	042A6662	00C63226	DE768E25	0	00000000	F67B159D	018C26A8	00000000	2E000000
P11	954B01FF	0124B19F	864D1C4A	0	00000001	0984EA62	0073D957	00000001	2E000000
P11	3D9FDC65	013115ED	6C9A3894	0	00000003	0984EA62	0073D957	00000001	2E000000
P11	8E498650	0149DF88	09347128	0	00000006	0984EA62	0073D957	00000001	2E000000
P11	2F9CE167	017R6FFF	B268F25C	0	0000000D	0984EA62	0073D957	00000001	2E000000
P11	72439795	01DE922C	64F1C4A0	0	0000001B	0984EA62	0073D957	00000001	2E000000
P11	F791C3FC	00A4D766	C9A38941	0	00000036	F67B159D	018C26A8	00000000	2E000000
P11	DC183312	0061F8FF	93471283	0	0000006D	F67B159D	018C26A8	00000000	2E000000
P11	A5269171	010C4411	268F2506	0	000000DB	0984EA62	0073D957	00000001	2E000000
P11	5D96F7A8	00AC3AD1	401C4ACD	0	00000186	F67B159D	018C26A8	00000000	2E000000
P11	A7441AA	0058C2F4	9438941B	0	0000036C	F67B159D	018C26A8	00000000	2E000000
P11	3C3E604F	0109D33B	34712836	0	000006D9	0984EA62	0073D957	00000001	2E000000
P11	83869564	00725924	68F2506D	0	000000B2	F67B159D	018C26A8	00000000	2E000000
P11	04035602	000EFF9B	D1C4A0DB	0	00001864	F67B159D	018C26A8	00000000	2E000000
P11	F4FCD73F	01364C87	A3894186	0	000036C9	0984EA62	0073D957	00000001	2E000000
P11	F0038345	015448BD	4712836C	0	00006D93	0984EA62	0073D957	00000001	2E000000
P11	0D10DE50	01904A2A	8E2506D8	0	0000DB26	0984EA62	0073D957	00000001	2E000000
P11	2D2R8R67	000R4702	1C4A0DB1	0	0001B64D	F67B159D	018C26A8	00000000	2E000000
P11	474D4208	010RD056	38941862	0	00036C9A	0984EA62	0073D957	00000001	2E000000
P11	A14458D6	0139695A	712836C4	0	0006D934	0984EA62	0073D957	00000001	2E000000
P11	56928672	015A8563	E2506D88	0	000DB268	0984EA62	0073D957	00000001	2E000000
P11	BF4EE1AB	0190C074	C4A0DB1C	0	001B64D1	0984EA62	0073D957	00000001	2E000000
P11	92679A10	00212097	89418621	0	0036C9A3	F67B159D	018C26A8	00000000	2E000000
P11	11C55d75	015AA881	12836C42	0	006D9347	0984EA62	0073D957	00000001	2E000000
P12	2506F884	00DR248E	12836C42	0	006D9347	00000000	00000000	FFFFFFF	2EFFFFFF
P13	6E0B268E	00DR248E	12836C42	0	006D9347	00000000	00000000	00000000	2E000000

00192

SIGMA LOGIC SIMULATION, FDL, CASE 0018									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	6E0B268E	00DR248E	12836C42	0	006D9347	00000000	00000000	00000000	00000000

00193

SIGMA LOGIC SIMULATION, FDL CASE 0019

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31 B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	E6E28A3D	00000000	00000000	0	00000000	00000000	00000000	00000000
PO1	E6E28A3D	00000000	E6F28A3D	0	00000000	00000000	FF000000	00000000
PO2	19000000	01E28A3D	19E28A3D	0	00000000	F708B4C4	0108B4C4	00000000
PO3	F7F93B4E	01E28A3D	19E28A3D	0	01E28A3D	00000000	FFFFFFF	11FFFFFF
PO4	0806C4B2	001D75C2	00000000	0	00000000	D39F8E4A	0108B4C4	00000001
PO9	100D8964	003AEB84	00000000	0	00000000	D39F8E4A	0108B4C4	00000001
P11	C75A2F5E	00874091	00000000	0	00000000	2C6071B5	00F74B3B	00000000
P11	E7754226	00FD1799	00000000	0	00000000	2C6071B5	00F74B3B	00000000
P11	27AB6786	01E8C5AA	00000000	0	00000000	2C6071B5	00F74B3B	00000000
P11	A817B2D6	01C021CA	00000001	0	00000000	D39F8E4A	0108B4C4	00000001
P11	F76E8242	0191A1E	00000003	0	00000000	D39F8E4A	0108B4C4	00000001
P11	961C211A	0134C3C7	00000007	0	00000000	D39F8E4A	0108B4C4	00000001
P11	D3775ECA	007AF118	0000000F	0	00000000	D39F8E4A	0108B4C4	00000001
P11	4E2DDA2A	0107498B	0000001E	0	00000000	2C6071B5	00F74B3B	00000000
P11	F51C97BE	01D22EC	0000003C	0	00000000	2C6071B5	00F74B3B	00000000
P11	42FA12F6	01E8F250	00000079	0	00000000	D39F8E4A	0108B4C4	00000001
P11	20334262	01E34E2A	000000F3	0	00000000	D39F8E4A	0108B4C4	00000001
P11	01A5A15A	01D805DE	000001E7	0	00000000	D39F8E4A	0108B4C4	00000001
P11	AA8A5F4A	01C17545	000003CF	0	00000000	D39F8E4A	0108B4C4	00000001
P11	FC53DB2A	01945414	0000079F	0	00000000	D39F8E4A	0108B4C4	00000001
P11	9FE6D2EA	013A11B3	00000F3F	0	00000000	D39F8E4A	0108B4C4	00000001
P11	E70CC26A	00858CF0	00001E7F	0	00000000	D39F8E4A	0108B4C4	00000001
P11	7558A16A	011C836B	00003CFE	0	00000000	2C6071B5	00F74B3B	00000000
P11	4372263E	0027904D	000079FD	0	00000000	D39F8E4A	0108B4C4	00000001
P11	2E236912	006CA424	0000F3FA	0	00000000	2C6071B5	00F74B3B	00000000
P11	B507B58E	00AFDEBE	0001E7F4	0	00000000	2C6071B5	00F74B3B	00000000
P11	C20C4E86	014E53F3	0003CFE8	0	00000000	2C6071B5	00F74B3B	00000000
P11	DE618076	00RR3E5D	00079FD1	0	00000000	D39F8E4A	0108B4C4	00000001
P11	64021D82	0127E645	000F3FA2	0	00000000	2C6071B5	00F74B3B	00000000
P11	20C51E6E	003F63C1	001E7F45	0	00000000	D39F8E4A	0108B4C4	00000001

00194

SIGMA LOGIC SIMULATION, FDL CASE 0019

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31 B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	88C95472	008E2F88	003CFE8A	0	00000000	2C6071B5	00F74B3B	00000001
P11	2A53964E	01CAF58E	0079FD14	0	00000000	2C6071B5	00F74B3B	00000000
P11	AD6810C6	00C48192	00F3FA29	0	00000000	D39F8E4A	0108B4C4	00000001
P11	020F30A2	001A6CAF	01E7F452	0	00000000	2C6071B5	00F74B3B	00000000
P11	50FF55CA	00236FD4	00CFE8A4	0	00000000	2C6071B5	00F74B3B	00000000
P11	127F90C6	0035761F	079FD148	0	00000000	2C6071B5	00F74B3B	00000000
P11	70C010F6	005982E4	0F3FA29C	0	00000000	2C6071B5	00F74B3B	00000000
P11	54411D56	00A19BDF	1E7F4520	0	00000000	2C6071B5	00F74B3B	00000000
P11	01431F16	0131CE35	3CFE8A40	0	00000000	2C6071B5	00F74B3B	00000000
P11	58471F96	005232E0	79FD1481	0	00000000	D39F8E4A	0108B4C4	00000001
P11	50CD59C2	0059CF4A	F3FA29C2	0	00000000	2C6071B5	00F74B3B	00000000
P11	145B9AFF	015A35CB	E7F45204	0	00000001	2C6071B5	00F74B3B	00000000
P11	81781949	00A3008C	CFE8A409	0	00000003	D39F8E4A	0108B4C4	00000001
P11	AA2F4FR9	01576AA2	9FC14812	0	00000007	2C6071B5	00F74B3B	00000000
P11	AD1F81D0	009D68BB	3FA29C25	0	0000000F	D39F8E4A	0108B4C4	00000001
P11	017E2010	014C41C1	7F452044	0	0000001E	2C6071B5	00F74B3B	00000000
P11	58BD238A	00871878	F8A40950	0	0000003C	D39F8E4A	0108B4C4	00000001
P11	5E996348	011F9A7A	FD14812A	0	00000079	2C6071B5	00F74B3B	00000000
P11	1633AAC1	002DC368	FA29C255	0	000000CF	D39F8E4A	0108B4C4	00000001
P11	D3A47219	006D005F	F45204AA	0	000001F7	2C6071B5	00F74B3B	00000000
P11	000DC790	00C89736	E8A40954	0	000003CF	2C6071B5	00F74B3B	00000000
P11	580C72A5	017FC4E2	D14812A8	0	0000079F	2C6071B5	00F74B3B	00000000
P11	0A79C8B5	00E22038	A2902551	0	00000F3F	D39F8E4A	0108B4C4	00000001
P11	8C3PAED1	01F0A9FF	45204AA2	0	00001E7F	2C6071B5	00F74B3B	00000000
P11	D1263F6C	01C9EA75	8A40954F	0	00003CFE	D39F8E4A	0108B4C4	00000001
P11	498B934F	01A53F75	14812A8B	0	000079FD	D39F8E4A	0108B4C4	00000001
P11	3A565374	0158EA74	29C25517	0	000003FA	D39F8E4A	0108B4C4	00000001
P11	18EFC37E	00C93A72	5204AA2F	0	0001E7F4	D39F8E4A	0108B4C4	00000001
P11	0F16A392	01A3D66D	A409545E	0	0003CFE8	2C6071B5	00F74B3B	00000000
P11	16FE2A8F	01364352	4812A8BD	0	00079FD1	D39F8E4A	0108B4C4	00000001
P11	051B71B4	0070FC2D	90255176	0	000F3FA2	D39F8E4A	0108B4C4	00000001
P12	204AA2F6	001E7F45	9025517B	0	000F3FA2	00000000	FFFFFFF	11FFFFFF
P13	51E180BA	01E180BA	9025517B	0	000F3FA2	00000000	FF000000	11000000

00195

SIGMA LOGIC SIMULATION, FDL, CASE 0019

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	AEE180BA	01E180BA	9025517B	0	000F3FA2	00000000	00000000	00000000	00000000

00196

SIGMA LOGIC SIMULATION, FDL, CASE 0020

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	47E95A3F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	47E95A3F	00000000	47E95A3F	0	00000000	00000000	00000000	FF000000	00000000
P02	47000000	00E95A3F	47E95A3F	0	00000000	E6F22A4F	01F22A4F	01000000	00000000
P03	690B7C52	00E95A3F	47E95A3F	0	00E95A3F	00000000	00000000	00000000	2F000000
P04	690B7C52	00E95A3F	690B7C52	0	00E95A3F	F29405E9	01F22A4F	00000000	2F000000
P06	29405E90	0122A4FF	690B7C52	0	00E95A3F	F29405E9	01F22A4F	00000000	2F000000
P07	29405E90	0122A4FF	690B7C52	0	00E95A3F	F29405E9	01F22A4F	00000000	2F000000
P08	690B7C52	00E95A3F	00000000	0	00000000	29405E90	0122A4FF	00000000	2F000000
P09	D216FA44	0102BA7E	00000000	0	00000000	29405E90	0122A4FF	00000000	2F000000
P10	E0216FA4	00102BA7	40000000	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	20039034	007FA08E	80000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	07067B49	00B9F71E	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	BBFC3972	012FA43D	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	2497B5C4	0017FF7D	00000000	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	9B8C2BA8	007E44F8	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	E40F9430	00A547F2	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	773E6A40	010E30E7	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	93FC1960	010E30E7	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	E57775A0	014519A2	00000000	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	104FA8A0	00CF7044	00000000	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	804000E0	01E44486	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	C83F50A0	01833FCE	00000000	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	E2FF7A60	014PC81B	00000000	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	127F51F0	00000A36	00000000	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	838C20E0	015FFF6A	00000000	0	00000000	D6BFA16F	00D5B800	00000000	30000000
P11	647FA4A0	0188B206	00000000	0	00000000	29405E90	0122A4FF	00000000	30000000

00197

SIGMA LOGIC SIMULATION, FDL CASE 0020									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	BB7FC660	01B6AFAB	000021BB	0	00008000	29405E90	0122A4FF	00000000	30000000
P11	C98049E0	01B2A955	00004377	0	00010000	29405E90	0122A4FF	00000000	30000000
P11	E58150E0	01A9CA9	000086EF	0	00020000	29405E90	0122A4FF	00000000	30000000
P11	1D835EE0	019A8352	00010DDF	0	00040000	29405E90	0122A4FF	00000000	30000000
P11	8D877AE0	017A50A2	00021BBF	0	00080000	29405E90	0122A4FF	00000000	30000000
P11	6D8FB2E0	0139EB43	0004377F	0	00100000	29405E90	0122A4FF	00000000	30000000
P11	2DA022E0	00B92085	00086EFF	0	00200000	29405E90	0122A4FF	00000000	30000000
P11	ADC102E0	01B78B08	0010DDFE	0	00400000	D6BFA16F	00DD5B00	00000001	30000000
P11	090148A0	0129CC13	0021BBFD	0	00800000	29405E90	0122A4FF	00000000	30000000
P11	64834E60	0098E224	004377FB	0	01000000	29405E90	0122A4FF	00000000	30000000
P11	1B8759E0	01770E47	0086EFF6	0	00000000	D6BFA16F	00DD5B00	00000001	30000000
P11	E48DF6A0	00A8D28F	010DDFED	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	1B9CA60	0196EF1E	021BBFDA	0	00000000	D6BFA16F	00DD5B00	00000001	30000000
P11	E48897A0	00F8943D	04377FB5	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	1BF1EC60	0016727A	086EFF6B	0	00000000	29405E90	0122A4FF	00000000	30000000
P11	8A6495E0	00722FF2	10DDFED6	0	00000000	D6BFA16F	00DD5B00	00000001	30000000
P11	C2486EA0	009F13F6	21BBFDAC	0	00000000	D6BFA16F	00DD5B00	00000001	30000000
P11	32102020	00F8DDCF	4377FB58	0	00000000	D6BFA16F	00DD5B00	00000001	30000000
P11	119F8320	01AC71A0	86EFF68C	0	00000000	D6BFA16F	00DD5B00	00000001	30000000
P11	D0B84921	01139941	0DDFED61	0	00000001	29405E90	0122A4FF	00000000	30000000
P11	F3FD4F62	006C7C81	1BBFDAC3	0	00000002	29405E90	0122A4FF	00000000	30000000
P11	3A7B5B54	011E4302	377FB586	0	00000004	D6BFA16F	00DD5B00	00000001	30000000
P11	2275FAA8	01F73C06	6EFF680C	0	00000008	D6BFA16F	00DD5B00	00000001	30000000
P11	F26B3830	01A92E0D	DDFED619	0	00000010	29405E90	0122A4FF	00000000	30000000
P11	37572D81	0197A61A	8BFDAC33	0	00000021	29405E90	0122A4FF	00000000	30000000
P11	C12F1823	01749632	77FB5867	0	00000043	29405E90	0122A4FF	00000000	30000000
P11	D0CE0D66	012E7663	EFF680CF	0	00000086	29405E90	0122A4FF	00000000	30000000
P11	FC3E97ED	00A236C5	DFED619F	0	0000010D	29405E90	0122A4FF	00000000	30000000
P11	4AFDECFB	0189B78A	BFDAC33E	0	0000021B	D6BFA16F	00DD5B00	00000001	30000000
P11	437B1C07	00CE2516	7FB5867D	0	00000437	29405E90	0122A4FF	00000000	30000000
P11	D976F6CE	01E1942A	FF680CFA	0	0000086E	D6BFA16F	00DD5B00	00000001	30000000
P11	606D307D	017DDF57	FED619F5	0	000010DD	29405E90	0122A4FF	00000000	30000000
P11	13581E19	014106AD	FDAC33EB	0	000021BB	29405E90	0122A4FF	00000000	30000000
P11	7936F957	00C75758	F35867D7	0	00004377	29405E90	0122A4FF	00000000	30000000
P11	44EEAFCF	01D3F8AF	F680CFAE	0	000086EF	D6BFA16F	00DD5B00	00000001	30000000

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SIGMA LOGIC SIMULATION, FDL CASE 0020									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	375CA27F	0162A760	ED619F5D	0	0001000F	29405E90	0122A4FF	00000000	30000000
P11	C13AC21F	010A98FE	DAC33EBB	0	00021BBF	29405E90	0122A4FF	00000000	30000000
P11	D4F4C15F	00FA7R7B	B5867D77	0	0004377F	29405E90	0122A4FF	00000000	30000000
P11	FC6A3FDF	00FA47F5	680CFAFE	0	00086FFF	D6BFA16F	00DD5B00	00000001	30000000
P12	D619F5DC	0010DDFE	680CFAFE	0	00086FFF	00000000	00000000	FFFFFFFF	30FFFFFF
P13	70FF2201	01FE2201	680CFAFE	0	00086FFF	00000000	00000000	FFFFFFFF	30000000
P15	8FEF2201	01FE2201	680CFAFE	0	00086FFF	00000000	00000000	00000000	00000000

00199

SIGMA LOGIC SIMULATION, FDL CASE 0021									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31 B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER	
PPR	AE58B190	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	AE58B190	00000000	AE58B190	0	00000000	00000000	00000000	FF000000	00000000
P02	51000000	0158B190	5158B190	0	00000000	D2CD6837	01CD6837	01000000	00000000
P03	C237DAC1	0158B190	5158B190	0	0158B190	00000000	00000000	FFFFFFF	24FFFFFF
P04	3DC8253F	00A74E6F	00000000	0	00000000	88ACDE98	01CD6837	00000001	24000000
P09	78904A7E	014F9CDE	00000000	0	00000000	88ACDE98	01CD6837	00000001	24000000
P10	E7B904A7	0014E9CD	E0000000	0	00000000	88ACDE98	01CD6837	00000001	25000000
P11	E0C8C681	01C4A40A	C0000000	0	00000001	77532167	003297C8	00000000	25000000
P11	B03DCFD1	01E077A6	80000000	0	00000003	77532167	003297C8	00000000	25000000
P11	4F21E271	00421ED0	00000001	0	00000007	88ACDE98	01CD6837	00000001	25000000
P11	AF9D8214	001F0E2B	00000003	0	0000000E	88ACDE98	01CD6837	00000001	25000000
P11	7094C15A	01D8ECC6	00000006	0	0000001C	77532167	003297C8	00000001	25000000
P11	CF9FC582	0017091D	0000000D	0	00000038	88ACDE98	01CD6837	00000001	25000000
P11	B0F94836	01C8E2AA	0000001A	0	0000007C	77532167	003297C8	00000000	25000000
P11	5098033A	01F6F4E6	00000034	0	0000003E	77532167	003297C8	00000000	25000000
P11	8FD7E942	0053195D	00000069	0	000001C0	88ACDE98	01CD6837	00000001	25000000
P11	31098FB6	0041032A	000000D3	0	00000380	88ACDE98	01CD6837	00000001	25000000
P11	736CC09E	001CD6C3	000001A7	0	00000700	88ACDE98	01CD6837	00000001	25000000
P11	F833766E	01C47DF5	0000034E	0	00000E00	77532167	003297C8	00000000	25000000
P11	DF02FAA	00CF2B7C	0000069D	0	00001C00	88ACDE98	01CD6837	00000001	25000000
P11	CF741C86	01B72768	00000D3A	0	00003800	77532167	003297C8	00000000	25000000
P11	8D8E78DA	01D37E62	00001A74	0	00007C00	77532167	003297C8	00000000	25000000
P11	09C33A82	000C2C56	000034E9	0	0000E000	88ACDE98	01CD6837	00000001	25000000
P11	24EC3236	01B3291B	000069D2	0	0001C000	77532167	003297C8	00000000	25000000
P11	3866A73A	01C881C7	0000D3A4	0	00038000	77532167	003297C8	00000000	25000000
P11	5F739142	01FC331F	0001A748	0	00070000	77532167	003297C8	00000000	25000000
P11	AD8D6552	005895CF	00C34E91	0	000E0000	88ACDE98	01CD6837	00000001	25000000
P11	6C7487D6	0055FC0E	00069D23	0	001C0000	88ACDE98	01CD6837	00000001	25000000
P11	EA42CC0F	0046C88B	000D3A47	0	00380000	88ACDE98	01CD6837	00000001	25000000

00200

SIGMA LOGIC SIMULATION, FDL CASE 0021									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31 B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER	
P11	E5FFB6FF	00286196	001A748F	0	00700000	88ACDE98	01CD6837	00000001	25000000
P11	D018650E	01F9937C	0034E91F	0	00E00000	77532167	003297C8	00000000	25000000
P11	AB07195A	002C548A	0069D230	0	01000000	88ACDE98	01CD6837	00000001	25000000
P11	63074F06	00137084	00D3A478	0	01800000	88ACDE98	01CD6837	00000001	25000000
P11	0769943F	01C1C977	01A748F6	0	01000000	77532167	003297C8	00000000	25000000
P11	9079734A	01E8C660	034E91FC	0	00000000	77532167	003297C8	00000000	25000000
P11	29993B62	0034B092	069D2309	0	00000000	88ACDE98	01CD6837	00000001	25000000
P11	648027F6	00F84993	0D3A4783	0	00000000	88ACDE98	01CD6837	00000001	25000000
P11	DA72001E	01AB6395	1A748F66	0	00000000	77532167	003297C8	00000000	25000000
P11	A38A5004	0186F6EC	34E91ECC	0	00000000	77532167	003297C8	00000000	25000000
P11	358AF0E2	01DD100A	69D23098	0	00000000	77532167	003297C8	00000000	25000000
P11	5A1C3092	001F69A5	D3A47831	0	00000000	88ACDE98	01CD6837	00000001	25000000
P11	C5923657	01D9A359	A748F662	0	00000001	77532167	003297C8	00000000	25000000
P11	79CAAF7D	00187704	4E91ECC6	0	00000003	88ACDE98	01CD6837	00000001	25000000
P11	04FF1020	01C8BF78	9623D98A	0	00000006	77532167	003297C8	00000000	25000000
P11	F8847827	01FCAC00	3A47B314	0	0000000D	77532167	003297C8	00000000	25000000
P11	0FAF391C	005E8892	748F6629	0	0000001A	88ACDE98	01CD6837	00000001	25000000
P11	D0882F6A	0057F194	E31ECC53	0	00000034	88ACDE98	01CD6837	00000001	25000000
P11	B2CA1C07	004A9398	D23D98A7	0	00000069	88ACDE98	01CD6837	00000001	25000000
P11	76E0F541	002FF7AC	A47B314F	0	000000D3	88ACDE98	01CD6837	00000001	25000000
P11	FF35A785	01FABFAF	48F6629F	0	000001A7	77532167	003297C8	00000000	25000000
P11	ED119238	005AACF0	91FC053D	0	0000034E	88ACDE98	01CD6837	00000001	25000000
P11	E70C1143	00502F50	23D98A78	0	0000069D	88ACDE98	01CD6837	00000001	25000000
P11	E853E078	00282010	47B314F7	0	0000003A	88ACDE98	01CD6837	00000001	25000000
P11	E200RE22	00112490	8F6629EF	0	00001A74	88ACDE98	01CD6837	00000001	25000000
P11	D55R3977	01502590	1ECC53DF	0	000034E9	77532167	003297C8	00000000	25000000
P11	995C859C	010F74B2	3D98A78C	0	000069D2	77532167	003297C8	00000000	25000000
P11	215FAF46	002424E6	7B314F79	0	0000D3A4	88ACDE98	01CD6837	00000001	25000000
P11	5419193F	01F31A5B	F6629EF7	0	0001A748	77532167	003297C8	00000000	25000000
P11	96087648	00286447	FC0530E5	0	00034E91	88ACDE98	01CD6837	00000001	25000000
P11	3F0A9909	01F199FE	D98A78CA	0	00069D23	77532167	003297C8	00000000	25000000
P11	6C5B8661	0048618D	B314F795	0	000D3A47	88ACDE98	01CD6837	00000001	25000000
P11	EAD0E8FF	00289389	6629EF2E	0	001A748F	88ACDE98	01CD6837	00000001	25000000
P12	CC53DF56	0034E91F	6629EF28	0	001A748F	00000000	00000000	FFFFFFF	25FFFFFF

00201

TIME	SIGMA LOGIC SIMULATION: FDL CASE 0021									
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER	
P13	65CB16E1	01CB16E1	6629EF2B	0	001A748F	00000000	00000000	FF000000	25000000	
P15	9ACB16E1	01CB16E1	6629EF2B	0	001A748F	00000000	00000000	00000000	00000000	

00202

TIME	SIGMA LOGIC SIMULATION: FDL CASE 0022									
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER	
PPR	E0FC7F1C	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000	
P01	E0FC7F1C	00000000	E0FC7F1C	0	00000000	00000000	00000000	FF000000	00000000	
P02	1F000000	01FC7F1C	1FFC7F1C	0	00000000	FAC41382	01C41382	01000000	00000000	
P03	253F7EA9	01FC7F1C	1FFC7F1C	0	01FC7F1C	00000000	00000000	FFFFFFF	1AFFFFFF	
P04	AC081570	003RCF3D	00000000	0	00000000	00000000	00000000	00000000	19000000	
P05	AC081570	003RCF3D	00000000	0	00000000	446E28CA	01C41382	00000000	19000000	
P09	58102AED	007D1078	00000000	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	38FCA754	006R5FFB	00000001	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	FAD5A03C	005RE6FA	00000003	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	7ER7920C	003RF4FA	00000007	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	85FB75AC	01FC10F9	0000000E	0	00000000	BB91D735	003BEC7D	00000001	19000000	
P11	82FA9904	006FAEE	00000010	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	8ED1851C	006R10F1	0000003B	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	A67F530C	005R60C7	00000077	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	D5DB092C	003RE993	000000EF	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	349263FC	01F9FR2C	000001DE	0	00000000	BB91D735	003BEC7D	00000001	19000000	
P11	E04R7644	006RC953	0000038D	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	49603E1C	005FH0AC	0000077P	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	18B6CDDC	00479A5D	00000EF7	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	C049E02C	001750BE	00001DEF	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	097C2BEC	01E6DF82	000038DE	0	00000000	BB91D735	003BEC7D	00000001	19000000	
P11	8A04C644	01E99FFF	000077BC	0	00000000	BB91D735	003BEC7D	00000001	19000000	
P11	8B28BAF4	004304FA	0000EF79	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	9F33C77C	000E30F9	0010DEF3	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	C743E08C	01A4RRF7	00038DE6	0	00000000	BB91D735	003BEC7D	00000001	19000000	
P11	05A86FA4	01CCEAEB	000778CC	0	00000000	BB91D735	003BEC7D	00000001	19000000	
P11	827A8D74	01F9AFD1	000EF798	0	00000000	BB91D735	003BEC7D	00000001	19000000	
P11	7C1AC954	006R369E	001DEF31	0	00000000	446E28CA	01C41382	00000000	19000000	
P11	810CF43C	006F9441	0038DE63	0	00000000	446E28CA	01C41382	00000000	19000000	

00203

SIGMA LOGIC SIMULATION, FDL, CASE 0022									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	8AF81A0C	00454F87	0077BCC7	0	00000000	446E28CA	01C41382	00000000	19000000
P11	9ECC85AC	0012C613	00EF798F	0	00000000	446E28CA	01C41382	00000000	19000000
P11	C6755CEC	01ADB32B	01DEF31E	0	00000000	BB91D735	003BEC7D	00000001	19000000
P11	040F6844	01D33F53	03BDE63C	0	00000000	BB91D735	003BEC7D	00000001	19000000
P11	7F407EF4	001F57A1	077BCC79	0	00000000	446E28CA	01C41382	00000000	19000000
P11	875D4F7C	01C4D647	0EF798F2	0	00000000	BB91D735	003BEC7D	00000001	19000000
P11	85DE4D64	0001858A	1DEF31E5	0	00000000	446E28CA	01C41382	00000000	19000000
P11	9498EC5C	018R3219	3BDE63CA	0	00000000	BB91D735	003BEC7D	00000001	19000000
P11	A0558724	018F3D2E	77BCC794	0	00000000	BB91D735	003BEC7D	00000001	19000000
P11	B7CERC84	01945358	EF798F28	0	00000000	BB91D735	003BEC7D	00000001	19000000
P11	E6C127D5	01A07FAC	DEF31E5C	0	00000001	BB91D735	003BEC7D	00000001	19000000
P11	44A5FE17	0188D855	BDE63CA0	0	00000003	BB91D735	003BEC7D	00000001	19000000
P11	006FAA9B	01E989A6	7BCC7940	0	00000007	BB91D735	003BEC7D	00000001	19000000
P11	780303A2	CC4AEC47	F798F281	0	0000000E	446E28CA	01C41382	00000000	19000000
P11	78E258D9	001DFF93	EF31E503	0	0000001D	446E28CA	01C41382	00000000	19000000
P11	7AA10347	01C4262B	DE63CA06	0	0000003B	BB91D735	003BEC7D	00000001	19000000
P11	6C65B4F8	00002552	BCC7940D	0	00000077	446E28CA	01C41382	00000000	19000000
P11	61A7B888	018871A9	798F281A	0	000000EF	BB91D735	003BEC7D	00000001	19000000
P11	3A732582	0188B04E	F31E5034	0	000001DE	BB91D735	003BEC7D	00000001	19000000
P11	EC09F971	01895197	E63CA068	0	000003BD	BB91D735	003BEC7D	00000001	19000000
P11	4F37A14F	018A7C2B	CC7940D0	0	0000077B	BB91D735	003BEC7D	00000001	19000000
P11	1592F10B	018CD152	98F281AC	0	00000EF7	BB91D735	003BEC7D	00000001	19000000
P11	A2499083	0191789F	31E50340	0	00001DEF	BB91D735	003BEC7D	00000001	19000000
P11	88B6CF72	019AD03A	63CA0680	0	00003BDE	BB91D735	003BEC7D	00000001	19000000
P11	EE914D50	01AD7970	C7940D00	0	000077BC	BB91D735	003BEC7D	00000001	19000000
P11	5446490D	01D2C9DD	8F281A00	0	0000EF79	BB91D735	003BEC7D	00000001	19000000
P11	1F8C4087	001D70B6	1E503401	0	0001DEF3	446E28CA	01C41382	00000000	19000000
P11	C83C2A27	01C30870	3CA06802	0	0003BDE6	BB91D735	003BEC7D	00000001	19000000
P11	079D5380	01FDE9DD	7940D004	0	00077BCC	BB91D735	003BEC7D	00000001	19000000
P11	865E55CC	0073ACB5	F281A009	0	000EF798	446E28CA	01C41382	00000000	19000000
P11	9598FB2D	006F876F	F5034013	0	001DEF31	446E28CA	01C41382	00000000	19000000
P11	B40E48EF	006727E3	CAC68027	0	003BDE63	446E28CA	01C41382	00000000	19000000
P11	F0F8E973	00567ACB	94C0004F	0	0077BCC7	446E28CA	01C41382	00000000	19000000
P12	281A009F	00EF798F	94C0004F	0	0077BCC7	00000000	00000000	FFFFFFF	19FFFFFF

00204

SIGMA LOGIC SIMULATION, FDL, CASE 0022									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	59EF798F	00EF798F	94C0004F	0	0077BCC7	00000000	00000000	00000000	19000000
P15	59EF798F	00EF798F	94C0004F	0	0077BCC7	00000000	00000000	00000000	00000000

00205

SIGMA LOGIC SIMULATION FDL CASE 0023										
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER	
PPR	67B5C610	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000	
PO1	67B5C610	00000000	67B5C610	0	00000000	00000000	00000000	FF000000	00000000	
PO2	67000000	00B5C610	67B5C610	0	00000000	C28E7D39	018E7D39	01000000	00000000	
PO3	67B980C1	00B5C610	67B5C610	0	00B5C610	00000000	00000000	00000000	2A000000	
PO4	67B980C1	00B5C610	00000000	0	00000000	ECA42082	018E7D39	00000001	2A000000	
PO9	CF730182	016B8C20	00000000	0	00000000	ECA42082	018E7D39	00000001	2A000000	
P10	0CF73018	0016B8C2	20000000	0	00000000	ECA42082	018E7D39	00000001	2B000000	
P11	F336A136	014A65F7	40000000	0	00000000	135BDF7D	007182C6	00000000	2B000000	
P11	0D25C166	0177DD7C	80000000	0	00000000	135BDF7D	007182C6	00000000	2B000000	
P11	4101C1C7	01D2C084	00000000	0	00000001	135BDF7D	007182C6	00000000	2B000000	
P11	A8BB4288	0C8F8694	00000001	0	00000002	ECA42082	018E7D39	00000001	2B000000	
P11	2A8EC616	002E079D	00000003	0	00000004	ECA42082	018E7D39	00000001	2B000000	
P11	2FC5C032	017909AE	00000006	0	00000008	135BDF7D	007182C6	00000000	2B000000	
P11	8443595E	010518E8	00000000	0	00000010	135BDF7D	007182C6	00000000	2B000000	
P11	2F3E7186	008D375D	00000019	0	00000020	ECA42082	018E7D39	00000001	2B000000	
P11	37C52472	0037692E	00000033	0	00000040	ECA42082	018E7D39	00000001	2B000000	
P11	48D289EA	018BCDD0	00000066	0	00000080	135BDF7D	007182C6	00000000	2B000000	
P11	B85CD2CF	01FA9F2C	000000CC	0	00000100	135BDF7D	007182C6	00000000	2B000000	
P11	97716496	00F843E5	00000199	0	00000200	ECA42082	018E7D39	00000001	2B000000	
P11	082B0A32	00CD823F	00000333	0	00000400	ECA42082	018E7D39	00000001	2B000000	
P11	E99F556A	00B77FF1	00000667	0	00000800	ECA42082	018E7D39	00000001	2B000000	
P11	AC84E9DA	008CF857	00000CCF	0	00001000	ECA42082	018E7D39	00000001	2B000000	
P11	3252188A	003AE323	0000199F	0	00002000	ECA42082	018E7D39	00000001	2B000000	
P11	3DFC727A	018AD0BA	0000333E	0	00004000	135BDF7D	007182C6	00000000	2B000000	
P11	A29CA3FE	01F8A700	0000667C	0	00008000	135BDF7D	007182C6	00000000	2B000000	
P11	6BD9C6D6	00D4538D	0000CCF9	0	00010000	ECA42082	018E7D39	00000001	2B000000	
P11	60FA4ER2	00C5A18E	000199F3	0	00020000	ECA42082	018E7D39	00000001	2B000000	
P11	3B3CDE6A	00A83091	000333E7	0	00040000	ECA42082	018E7D39	00000001	2B000000	
P11	4FC1FD9A	006D7596	000667CF	0	00080000	ECA42082	018E7D39	00000001	2B000000	

00206

SIGMA LOGIC SIMULATION FDL CASE 0023										
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER	
P11	78CC3CFA	01F7E5A0	0000CF9F	0	00100000	135BDF7D	007182C6	00000000	2B000000	
P11	189C386E	00D2D0C0	00199F30	0	00200000	ECA42082	018E7D39	00000001	2B000000	
P11	09E8E1F9	00C29CCE	00333E7E	0	00400000	ECA42082	018E7D39	00000001	2B000000	
P11	ED19A4CA	00A2328F	00467CF7	0	00800000	ECA42082	018E7D39	00000001	2B000000	
P11	B378849A	00615F93	00CCF9EF	0	01000000	ECA42082	018E7D39	00000001	2B000000	
P11	403F563A	010FB096	0199F30F	0	00000000	135BDF7D	007182C6	00000000	2B000000	
P11	A736684F	00A278C2	0333E72D	0	00000000	ECA42082	018E7D39	00000001	2B000000	
P11	278517EF	0061F8F9	0667CF7E	0	00000000	ECA42082	018E7D39	00000001	2B000000	
P11	284270CA	01E0D866	00CF9EF6	0	00000000	135BDF7D	007182C6	00000000	2B000000	
P11	781CA09F	00A4A458	199F30E1	0	00000000	ECA42082	018E7D39	00000001	2B000000	
P11	C981822F	00664F24	333E78DB	0	00000000	ECA42082	018E7D39	00000001	2B000000	
P11	6C4B454A	01E998BD	667CF736	0	00000000	135BDF7D	007182C6	00000000	2B000000	
P11	FF4E498F	00E63706	00F9EFA0	0	00000000	ECA42082	018E7D39	00000001	2B000000	
P11	07E4D423	00896881	99F30E0B	0	00000001	ECA42082	018E7D39	00000001	2B000000	
P11	8911E040	002F0877	33E78D87	0	00000003	ECA42082	018E7D39	00000001	2B000000	
P11	ER6C134C	017C9162	67CF756F	0	00000000	135BDF7D	007182C6	00000000	2B000000	
P11	FDRFE63A	010C2851	CF9EF60C	0	00000000	135BDF7D	007182C6	00000000	2B000000	
P11	21D78B4F	00985630	9F30E0B9	0	00000019	ECA42082	018E7D39	00000001	2B000000	
P11	1CF757FE	0053A6D4	3078D873	0	00000033	ECA42082	018E7D39	00000001	2B000000	
P11	1336F000	01C4481C	7CF78AF6	0	00000066	135BDF7D	007182C6	00000000	2B000000	
P11	4D25AC0A	006B98C4	F9FF60CD	0	000000CC	ECA42082	018E7D39	00000001	2B000000	
P11	7393823B	01F428FC	F30E099A	0	00000199	135BDF7D	007182C6	00000000	2B000000	
P11	0DDEC371	00C85185	E78B735E	0	00000333	ECA42082	018E7D39	00000001	2B000000	
P11	F505C7E9	00B387D0	CF786E48	0	00000667	ECA42082	018E7D39	00000001	2B000000	
P11	C353D000	008435E6	9EF60C07	0	000000CF	ECA42082	018E7D39	00000001	2B000000	
P11	5FFFE289	00256853	30FDB9AF	0	0000199F	ECA42082	018E7D39	00000001	2B000000	
P11	9928C678	01F7C51A	78D8735E	0	0000333E	135BDF7D	007182C6	00000000	2B000000	
P11	5907CE5A	01F28FC1	F78E680C	0	0000667C	135BDF7D	007182C6	00000000	2B000000	
P11	D8C7560F	004828CE	EF60CD79	0	0000CCF9	ECA42082	018E7D39	00000001	2B000000	
P11	8AD68E45	01AD4491	9ED89AF2	0	000199F3	135BDF7D	007182C6	00000000	2B000000	
P11	3C659C45	00308FAF	B0B735E5	0	000333E7	ECA42082	018E7D39	00000001	2B000000	
P11	52137991	019817D2	786E65CA	0	000667CF	135BDF7D	007182C6	00000000	2B000000	
P11	CAD8E21C	00133530	F60CD795	0	000CCF9E	ECA42082	018E7D39	00000001	2B000000	
P12	ED99AF2A	00199F3D	F60CD795	0	000CCF9E	00000000	00000000	FFFFFFFF	28FFFFFF	

00207

SIGMA LOGIC SIMULATION, FDL, CASE 0023									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P13	6B199F3D	00199F3D	F6DCD795	0	000CCF9E	00000000	00000000	00000000	2B000000
P15	6B199F3D	00199F3D	F6DCD795	0	000CCF9E	00000000	00000000	00000000	00000000

00208

SIGMA LOGIC SIMULATION, FDL, CASE 0024									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	9BAE1805	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	9BAE1805	00000000	9BAE1805	0	00000000	00000000	00000000	FF000000	00000000
P02	64000000	01AF1805	64AE1805	0	00000000	D9EF9A8C	01EF9A8C	01000000	00000000
P03	F1430A42	01AE1805	64AE1805	0	01AF1805	00000000	00000000	FFFFFFF	3FFFFFFF
P04	0F5C378E	0051F4FA	00000000	0	00000000	A628C3D7	01EF9A8C	00000001	3F000000
P09	1C8B6F7C	00A3C9E4	00000000	0	00000000	A628C3D7	01EF9A8C	00000001	3F000000
P10	41C88AF7	000A3C9F	00000000	0	00000000	A628C3D7	01EF9A8C	00000001	3F000000
P11	0FF8953F	01F3AE57	00000000	0	00000001	59D73C28	00106573	00000000	3F000000
P11	537FA38E	000A2796	00000001	0	00000003	A628C3D7	01EF9A8C	00000001	3F000000
P11	F350000E	01EF8445	00000002	0	00000006	59D73C28	00106573	00000001	3F000000
P11	9A5C156C	01FFD372	00000004	0	0000000C	59D73C28	00106573	00000001	3F000000
P11	E84EA428	0020710B	00000009	0	00000018	A628C3D7	01EF9A8C	00000001	3F000000
P11	1CE00000	002018B1	00000013	0	0000003C	A628C3D7	01EF9A8C	00000001	3F000000
P11	862F2750	001F667B	00000027	0	0000006C	A628C3D7	01EF9A8C	00000001	3F000000
P11	58AFD710	001F0210	0000004F	0	000000CC	A628C3D7	01EF9A8C	00000001	3F000000
P11	F0B13500	001B3939	0000009F	0	00000180	A628C3D7	01EF9A8C	00000001	3F000000
P11	47B3F350	0016A78D	0000013F	0	00000300	A628C3D7	01EF9A8C	00000001	3F000000
P11	DBB9A450	000A8433	0000027F	0	00000600	A628C3D7	01EF9A8C	00000001	3F000000
P11	03C46450	01F43051	000004FF	0	00000C00	59D73C28	00106573	00000001	3F000000
P11	BB374050	000945E8	000009FD	0	00001800	A628C3D7	01EF9A8C	00000001	3F000000
P11	C2C00890	01F1C0EA	000013FA	0	00003000	59D73C28	00106573	00000001	3F000000
P11	392E8070	0044000C	000027F5	0	00006000	A628C3D7	01EF9A8C	00000001	3F000000
P11	3FAF9E90	01F70091	00004FFA	0	0000C000	59D73C28	00106573	00000001	3F000000
P11	3106BE70	01F7680A	00009FD4	0	00018000	59D73C28	00106573	00000001	3F000000
P11	15C5E330	00019AFB	00013FA9	0	00030000	A628C3D7	01EF9A8C	00000001	3F000000
P11	770D4E10	01F2610F	00027F52	0	00060000	59D73C28	00106573	00000001	3F000000
P11	A3A91470	01EFA105	0004FEA4	0	000C0000	59D73C28	00106573	00000001	3F000000
P11	FAR0A130	01E000F1	0009FD48	0	00180000	59D73C28	00106573	00000001	3F000000
P11	AAFAEAB0	01FE40CA	0013FA90	0	00300000	59D73C28	00106573	00000001	3F000000

00209

SIGMA LOGIC SIMULATION, FDL, CASE 0024									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	050DEC80	0012947C	0027F521	0	00600000	A628C3D7	01EF9A8C	00000001	3F000000
P11	566D6310	00045E11	004FEA43	0	00C00000	A628C3D7	01EF9A8C	00000001	3F000000
P11	F92C4DD0	01E7F13B	009FD486	0	01800000	59D73C28	00106573	00000000	3F000000
P11	A60713F0	01F0A05E	013FA90C	0	01000000	59D73C28	00106573	00000000	3F000000
P11	FFBCA030	000225A3	027F5219	0	00000000	A628C3D7	01EF9A8C	00000001	3F000000
P11	*BCAC810	01E38061	04FEA432	0	00000000	59D73C28	00106573	00000000	3F000000
P11	4B440870	01E7CBA9	09FD4864	0	00000000	59D73C28	00106573	00000000	3F000000
P11	4A368930	01F06239	13FA90C8	0	00000000	59D73C28	00106573	00000000	3F000000
P11	481B8ABC	00018F59	27F52191	0	00000000	A628C3D7	01EF9A8C	00000001	3F000000
P11	DC889D10	01E253CB	4FEA4322	0	00000000	59D73C28	00106573	00000000	3F000000
P11	6CBFB270	01E5727E	9FD48644	0	00000000	59D73C28	00106573	00000000	3F000000
P11	8D2DD031	01EBAFE3	3FA90C88	0	00000001	59D73C28	00106573	00000000	3F000000
P11	CE0A32B2	01F82AAD	7F521910	0	00000002	59D73C28	00106573	00000000	3F000000
P11	4FC2DDB4	00112042	FEA43221	0	00000004	A628C3D7	01EF9A8C	00000001	3F000000
P11	EBD74319	0001759D	FD486443	0	00000009	A628C3D7	01EF9A8C	00000001	3F000000
P11	2400DE3	01E22055	FA90C886	0	00000013	59D73C28	00106573	00000000	3F000000
P11	FBAE9417	01E50B90	F521910C	0	00000027	59D73C28	00106573	00000000	3F000000
P11	AB0BA07F	01EAE208	EA432218	0	0000004F	59D73C28	00106573	00000000	3F000000
P11	09C5B94F	01F68FF8	D4864430	0	0000009F	59D73C28	00106573	00000000	3F000000
P11	C739EAEF	0000E8D6	A90C8861	0	0000013F	A628C3D7	01EF9A8C	00000001	3F000000
P11	DAC5508F	01FB06C6	521910C2	0	0000027F	59D73C28	00106573	00000000	3F000000
P11	6939336E	0016D874	A4322185	0	000004FE	A628C3D7	01EF9A8C	00000001	3F000000
P11	1EC3FE8D	000CF602	4864430B	0	000009FD	A628C3D7	01EF9A8C	00000001	3F000000
P11	89D964CA	01F9C11D	90C88616	0	000013FA	59D73C28	00106573	00000000	3F000000
P11	C76141E5	0012C021	21910C2D	0	000027F5	A628C3D7	01EF9A8C	00000001	3F000000
P11	D9140B7A	0004CF5C	43221858	0	00004FEA	A628C3D7	01EF9A8C	00000001	3F000000
P11	02799EA4	01E8D3D3	864430B6	0	00009FD4	59D73C28	00106573	00000000	3F000000
P11	B8A1B599	01F2728C	0C88616C	0	00013FA9	59D73C28	00106573	00000000	3F000000
P11	24F1382	0005E000	1910C2D9	0	00027F52	A628C3D7	01EF9A8C	00000001	3F000000
P11	96354EB4	01EA9519	32218582	0	0004FEA4	59D73C28	00106573	00000000	3F000000
P11	E0191588	01F5F519	64430B64	0	0009FD48	59D73C28	00106573	00000000	3F000000
P11	73E0A3C0	000CB51A	C88616C9	0	0013FA90	A628C3D7	01EF9A8C	00000001	3F000000
P11	3A12CF31	01FA9F4E	910C2D92	0	0027F521	59D73C28	00106573	00000000	3F000000
P12	22185B25	004FEA43	910C2D92	0	0027F521	00000000	00000000	FFFFFFFF	3FFFFFFFF

00210

SIGMA LOGIC SIMULATION, FDL, CASE 0024									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P13	7FB015BC	01BC15BC	910C2D92	0	0027F521	00000000	00000000	FFFFFFFF	3FFFFFFFF
P15	80F0155C	01B015BC	910C2D92	0	0027F521	00000000	00000000	00000000	00000000

00211

SIGMA LOGIC SIMULATION, FDL, CASE 0025									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	42486CEA	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	42486CEA	00000000	42486CEA	0	00000000	00000000	00000000	FF000000	00000000
P02	42000000	00486CEA	42486CEA	0	00000000	0D2A3C71	012A3C71	01000000	00000000
P03	2C76B150	00486CEA	42486CEA	0	00486CEA	00000000	00000000	00000000	10000000
P04	2C76E150	00486CEA	00000000	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P09	58FD62A0	0090D9D4	00000000	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	AAD4A8D8	01762C8C	00000000	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	5CAF6E18	0097E035	00000001	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	B258BFC8	01A4394E	00000002	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	68B79BF8	00B3F9E9	00000005	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	D0691E88	018C6C56	0000000A	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	A7D85378	01245FC9	00000015	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	48A8A888	009D3877	0000002B	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	8A4EF8A8	018FE9D2	00000056	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	18A40D88	00C95AC1	000000AD	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	3041FF08	01E72E66	0000015A	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	678A1A78	0179E3E8	000002B5	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	80CF1888	014840B4	0000056B	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	891614A8	00E4FA4D	00000AD7	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	0B260CE8	001E607F	000015AF	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	0F45FC68	009153E2	00002B5E	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	25921738	00CF2FE0	000056BC	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	522A4AD8	0147E40C	0000AD78	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	A35AB213	003B50D4	00015AF1	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	4FAF47C8	00CR1A8D	0002B5E2	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	A664A8F8	01418C36	00056BC4	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	53CF7458	00PFF89	000AD789	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	A098CC48	00E277F6	0015AF12	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	4837B4F8	011C7709	002B5E24	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	9775R658	01CC752E	0056BC48	0	00000000	03830E33	00D5C38E	00000001	10000000

00212

SIGMA LOGIC SIMULATION, FDL, CASE 0025									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	35F12918	01447179	00AD7891	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	640C35C8	00DD58D6	015AF123	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	C2R24F28	00CF3090	02B5F247	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	7F50R1E8	0072DAD9	056BC48E	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	03C3PC38	00913827	0AD7891C	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	0E8C5C08	00CDF66A	15AF1238	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	241ED618	014781F0	2B5E2470	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	4F43CF98	003A84FC	56BC48E1	0	00000000	FC7CF1CC	012A3C71	00000000	10000000
P11	97817408	00C88FDC	AD7891C2	0	00000000	03830E33	00D5C38E	00000001	10000000
P11	3609C5F9	013FA405	5AF12384	0	00000001	03830E33	00D5C38E	00000001	10000000
P11	7318285A	00P8D0C6	85F24709	0	00000002	FC7CF1CC	012A3C71	00000000	10000000
P11	DF2A344D	00A61A7C	68C48E12	0	00000005	03830E33	00D5C38E	00000001	10000000
P11	C55A8502	00F788FD	D7891C24	0	0000000A	03830E33	00D5C38E	00000001	10000000
P11	18B2660D	01AFF17	AF123848	0	00000015	03830E33	00D5C38E	00000001	10000000
P11	2A7CE943	00E1F54B	5E247091	0	0000002B	FC7CF1CC	012A3C71	00000000	10000000
P11	4DF2861C	0017837A	BC48E123	0	00000056	FC7CF1CC	012A3C71	00000000	10000000
P11	94DF4F05	00837FC8	7891C246	0	000000AD	03830E33	00D5C38E	00000001	10000000
P11	30C48C12	00R286CD	F123848C	0	0000015A	03830E33	00D5C38E	00000001	10000000
P11	688F948D	011C9486	E2470918	0	000002B5	03830E33	00D5C38E	00000001	10000000
P11	D8254583	01CCR888	C48F1230	0	0000056B	03830E33	00D5C38E	00000001	10000000
P11	B75CA76F	0144ER2D	891C2461	0	00000AD7	FC7CF1CC	012A3C71	00000000	10000000
P11	679B3277	00DE493F	123848C3	0	00015AF1	FC7CF1CC	012A3C71	00000000	10000000
P11	CR304886	00110362	24709187	0	0002B5E	FC7CF1CC	012A3C71	00000000	10000000
P11	895A74A4	00768FA9	481230E	0	00056BC	03830E33	00D5C38E	00000001	10000000
P11	198BC58D	00P8A66F	91C2461C	0	000AD78	03830E33	00D5C38E	00000001	10000000
P11	3A7C2709	00D0D3FA	23848C83	0	00015AF1	03830E33	00D5C38E	00000001	10000000
P11	78FEA8FA	01652F10	47091870	0	0002B5E2	03830E33	00D5C38E	00000001	10000000
P11	FF02F45C	0075E83C	8L1230E1	0	0056BC4	FC7CF1CC	012A3C71	00000000	10000000
P11	F6FFCC51	0140435D	1C2461C2	0	000AD789	03830E33	00D5C38E	00000001	10000000
P11	F505850A	00PCC0D7	3848C385	0	0015AF12	FC7CF1CC	012A3C71	00000000	10000000
P11	53754C4C	00AC9493	7091870A	0	002B5E24	03830E33	00D5C38E	00000001	10000000
P12	E1330E14	0056FC48	7091870A	0	002B5E24	00000000	00000000	FFFFFFF7	10FFFFFFF
P13	50A94367	01A94367	7091870A	0	002B5E24	00000000	00000000	FFFFFFF0	10000000

00213

SIGMA LOGIC SIMULATION, FDL CASE 0025									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	AFA943B7	01A943B7	7091870A	0	002B5E24	00000000	00000000	00000000	00000000

00214

SIGMA LOGIC SIMULATION, FDL CASE 0026									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	475E3AF9	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	475E3AF9	00000000	475E3AF9	0	00000000	00000000	00000000	FF000000	00000000
P02	47000000	005E3AF9	475E3AF9	0	00000000	D1F375DB	01F375DB	01000000	00000000
P03	FEDCBA98	005E3AF9	475E3AF9	0	005E3AF9	00000000	00000000	00000000	19000000
P04	FEDCBA98	005E3AF9	FEDCBA98	0	005E3AF9	ECA86424	01F375DB	00000000	19000000
P06	CA864240	01375DBE	FEDCBA98	0	005E3AF9	ECA86424	01F375DB	00000000	1A000000
P07	CA864240	01375DBE	FEDCBA98	0	005E3AF9	ECA86424	01F375DB	00000000	1A000000
P08	FEDCBA98	005E3AF9	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P09	F0B97530	00RC75F3	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	907F6EFD	01E7A765	00000000	0	00000000	3579BDBF	00C8A241	00000000	1A000000
P11	8BF25940	016F934D	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	ACF13700	012FF218	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	EEEEF280	00CF7FAF	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	72EA6980	000BBADB	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	7AF15780	00863134	00000000	0	00000000	3579BDBF	00C8A241	00000000	1A000000
P11	60862A80	009DA6EB	00000000	0	00000000	3579BDBF	00C8A241	00000000	1A000000
P11	205F0080	00CC9259	00000000	0	00000000	3579BDBF	00C8A241	00000000	1A000000
P11	C3R31080	012A6934	00000000	0	00000000	3579BDBF	00C8A241	00000000	1A000000
P11	F289B480	01F614EB	00000000	0	00000000	3579BDBF	00C8A241	00000000	1A000000
P11	4FA6F480	0150725A	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	345A4080	0129A032	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	FDC11F80	00C1FE1E	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	90REC380	01F2B341	00000000	0	00000000	3579BDBF	00C8A241	00000000	1A000000
P11	8C110280	0176A805	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	ADPE8980	015C1188	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	EF499780	01240F8E	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	73DFB380	00RC789B	00000000	0	00000000	CA864240	01375DBE	00000000	1A000000

00215

SIGMA LOGIC SIMULATION, FDL, CASE 0026									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	7CCBE880	01E7ACB4	0003C1DE	0	00000000	3579BDBF	00C8A241	00000001	1A000000
P11	648B5280	01609DEB	000783BD	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	5E232980	012FF754	000F077B	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	5152D780	00CEAA26	001E0EF7	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	37B23380	000C0FCA	009C1DEF	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	0470EB80	0086DB12	00783BDE	0	00000000	3579BDBF	00C8A241	00000001	1A000000
P11	73D55280	009FFAA6	00F077BC	0	00000000	3579BDBF	00C8A241	00000001	1A000000
P11	529E2080	00CF39CF	01E0EF78	0	00000000	3579BDBF	00C8A241	00000001	1A000000
P11	102FBC80	012FBR21	03C1DEF0	0	00000000	3579BDBF	00C8A241	00000001	1A000000
P11	8B52F480	01F0R4C4	0783BDE0	0	00000000	3579BDBF	00C8A241	00000001	1A000000
P11	81996480	0172AEOB	0F077BC1	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	983F4D80	01541794	1E0FF783	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	C58B1F80	0116EAA6	3C1DEF07	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	2C22C380	009C90CB	783BDE0F	0	00000000	CA864240	01375DBE	00000000	1A000000
P11	D5520B80	01A7DD13	F077BC1E	0	00000000	3579BDBF	00C8A241	00000001	1A000000
P11	15979281	00E0FFAA	E0EF783D	0	00000001	CA864240	01375DBE	00000000	1A000000
P11	C03BA983	0030B8D1	C1DEF07B	0	00000003	CA864240	01375DBE	00000000	1A000000
P11	1583D787	00D02D21	83BDE0F6	0	00000007	3579BDBF	00C8A241	00000001	1A000000
P11	95FB2A8F	01319FC4	077BC1EC	0	0000000F	3579BDBF	00C8A241	00000001	1A000000
P11	96F9D09E	01F4820B	0EF783D8	0	0000001E	3579BDBF	00C8A241	00000001	1A000000
P11	98C71CB0	017A4899	1DF0C7B1	0	0000003C	CA864240	01375DBE	00000000	1A000000
P11	C69AB0F8	01643CB0	3B0E0F63	0	00000078	CA864240	01375DBE	00000000	1A000000
P11	22420070	013554DF	77BC1EC7	0	000000F0	CA864240	01375DBE	00000000	1A000000
P11	D9908560	00D9653B	EF783D8F	0	000001E0	CA864240	01375DBE	00000000	1A000000
P11	482D8F41	002185F5	DF0C761F	0	000003C1	CA864240	01375DBE	00000000	1A000000
P11	2547A303	00B1C768	B0E0F63E	0	00000783	3579BDBF	00C8A241	00000001	1A000000
P11	B5C2C187	00F4D352	78C1EC7C	0	00000F07	3579BDBF	00C8A241	00000001	1A000000
P11	D678FF8E	017AE827	F783D8F8	0	00001E0E	3579BDBF	00C8A241	00000001	1A000000
P11	17F5788D	00271AD2	FF07B1F1	0	00003C1D	CA864240	01375DBE	00000000	1A000000
P11	C4D7758B	017CF121	DE0F63E2	0	0000783B	3579BDBF	00C8A241	00000001	1A000000
P11	F4A266F7	008B26C5	8C1EC705	0	0000F077	CA864240	01375DBE	00000000	1A000000
P11	7E51526F	018509C9	783D8F8A	0	0001E0EF	3579BDBF	00C8A241	00000001	1A000000
P11	6796205E	009B5695	F07B1F15	0	0003C1DE	CA864240	01375DBE	00000000	1A000000
P11	6438C53D	014568A8	E0F63E2A	0	000783BD	3579BDBF	00C8A241	00000001	1A000000
P11	336505FB	00DC15D3	C1EC7C55	0	000F077B	CA864240	01375DBE	00000000	1A000000

00216

SIGMA LOGIC SIMULATION, FDL, CASE 0026									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	FBC69C77	002EE723	83D8F8AB	0	001E0EF7	CA864240	01375DBE	00000000	1A000000
P11	8C89A56F	00C689C5	07B1F156	0	003C1DEF	3579BDBF	00C8A241	00000001	1A000000
P12	0F63E2AC	00783BDE	0751F156	0	003C1DEF	00000000	00000000	FFFFFFFF	1FFFFFFFFF
P13	5A87C421	0187C421	07B1F156	0	003C1DEF	00000000	00000000	FFFFFFFF	1A000000
P15	A587C421	0187C421	07B1F156	0	003C1DEF	00000000	00000000	00000000	00000000

00217

SIGMA LOGIC SIMULATION, FDL, CASE 0027									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	741EB852	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PO1	741EB852	00000000	741EB852	0	00000000	00000000	00000000	FF000000	00000000
PO2	74000000	001EB852	741EB852	0	00000000	A48C159A	018C159A	01000000	00000000
PO3	DB7531FD	001EB852	741EB852	0	001EB852	00000000	00000000	00000000	19000000
PO4	DB7531FD	001EB852	00000000	0	00000000	0369CF25	018C159A	00000001	19000000
PO9	B6FA63FA	003D70A5	00000000	0	00000000	0369CF25	018C159A	00000001	19000000
P11	74A86640	01930C7F	00000000	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	E27D2E34	000DEDC4	00000001	0	00000000	0369CF25	018C159A	00000001	19000000
P11	CB0DFAB4	013406C9	00000002	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	90C8571C	014FE25F	00000004	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	1ABD0FEC	0187998B	00000008	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	2EA6818C	01F707E2	00000010	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	567964CC	00D5E490	00000021	0	00000000	0369CF25	018C159A	00000001	19000000
P11	B3C667E4	00C3F454	00000043	0	00000000	0369CF25	018C159A	00000001	19000000
P11	6E606E14	00A013DD	00000087	0	00000000	0369CF25	018C159A	00000001	19000000
P11	E3947A74	005852EE	0000010F	0	00000000	0369CF25	018C159A	00000001	19000000
P11	CDFC9334	01C8D111	00000021E	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	9525881C	007976EF	0000043D	0	00000000	0369CF25	018C159A	00000001	19000000
P11	311EAE84	000B1913	00000078	0	00000000	0369CF25	018C159A	00000001	19000000
P11	6910FB54	012E5b5A	000010F6	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	CB4E585C	01448F80	000021EC	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	8FC9126C	0170F3CD	000043D8	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	18BE868C	01C9BC67	000087B0	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	2AA96ECC	007B4D9A	00C10F61	0	00000000	0369CF25	018C159A	00000001	19000000
P11	5C267BE4	000FC668	00021EC3	0	00000000	0369CF25	018C159A	00000001	19000000
P11	BF209614	0135B804	00043D86	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	776D8DDC	015344D5	00087B0C	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	E8077D6C	018E5F76	0010F618	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	C93B5C8C	000491B9	0021EC31	0	00000000	0369CF25	018C159A	00000001	19000000
P11	994A5764	01214FA7	0043D862	0	00000000	FC9630DA	0073EA65	00000000	19000000

00218

SIGMA LOGIC SIMULATION, FDL, CASE 0027									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	2BC1107C	012A7218	0087B0C4	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	50AER2AC	013CB902	010F6188	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	9AR9670C	016146D0	021EC310	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	2E3F2FCC	01AA626D	043D8620	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	55AAC14C	003C99A6	087B0C41	0	00000000	0369CF25	018C159A	00000001	19000000
P11	B22920E4	01915E80	10F61882	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	507EA37C	000A91CD	21FC3105	0	00000000	0369CF25	018C159A	00000001	19000000
P11	C100E544	01204FCE	43D8620A	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	7CC2C3C0	014P7269	87P0C414	0	00000000	FC9630DA	0073EA65	00000000	19000000
P11	F2C8BA2D	016C899E	0F618828	0	00000001	FC9630DA	0073EA65	00000000	19000000
P11	0ERDD06E	01C14809	1FC31050	0	00000002	FC9630DA	0073EA65	00000000	19000000
P11	B6A80DD0	006A640F	3D8620A1	0	00000004	0369CF25	018C159A	00000001	19000000
P11	7423B9FC	01E0F4F3	780C4142	0	00000008	FC9630DA	0073EA65	00000000	19000000
P11	E173D58C	00C18EB2	F6188285	0	00000010	0369CF25	018C159A	00000001	19000000
P11	C9B84965	009BA829	EC31050E	0	00000021	0369CF25	018C159A	00000001	19000000
P11	9AA43117	004F7067	08620A17	0	00000043	0369CF25	018C159A	00000001	19000000
P11	3B68007E	01B72403	B0C4142E	0	00000087	FC9630DA	0073EA65	00000000	19000000
P11	6FFC62A8	005610D2	6188285D	0	0000010F	0369CF25	018C159A	00000001	19000000
P11	E6CC63A2	01C46408	0310503A	0	0000021E	FC9630DA	0073EA65	00000000	19000000
P11	C6C528F9	00709F7D	8620A175	0	0000043D	0369CF25	018C159A	00000001	19000000
P11	945DF03F	01F9682F	0C4142EA	0	0000087B	FC9630DA	0073EA65	00000000	19000000
P11	21F84232	00DAA52B	188285D5	0	000010F6	0369CF25	018C159A	00000001	19000000
P11	4AA422B0	00C0758A	31050B8E	0	000021EC	0369CF25	018C159A	00000001	19000000
P11	9C18E3AC	00E31648	620A1757	0	000043D8	0369CF25	018C159A	00000001	19000000
P11	3FCB65A4	007E57C5	C4142EAF	0	000087B0	0369CF25	018C159A	00000001	19000000
P11	84FA6995	00140ABE	88285D5F	0	00010F61	0369CF25	018C159A	00000001	19000000
P11	10A87177	0141E0B1	1050B8E5	0	00021EC3	FC9630DA	0073EA65	00000000	19000000
P11	1A7D44A2	016R96E2	20A1757C	0	00043D86	FC9630DA	0073EA65	00000000	19000000
P11	2E26FAF8	018F0128	4142EAF8	0	00087B0C	FC9630DA	0073EA65	00000000	19000000
P11	557A37A4	0065D71C	8285D5F1	0	0010F618	0369CF25	018C159A	00000001	19000000
P11	B1C80095	01E3D96C	050B8E21	0	0021EC31	FC9630DA	0073EA65	00000000	19000000
P12	0A1757C5	0043D862	050B8E21	0	0021EC31	00000000	00000000	FFFFFFFF	19FFFFFF
P13	5943D862	0043D862	050B8E21	0	0021EC31	00000000	00000000	00000000	19000000

00219

SIGMA LOGIC SIMULATION, FDL, CASE 0027									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P15	5943D862	0043D862	05CBABE2	0	0021EC31	00000000	00000000	00000000	00000000

00220

SIGMA LOGIC SIMULATION, FDL, CASE 0028									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	0B97531F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	0597531F	00000000	0B97531F	0	00000000	00000000	00000000	FF000000	00000000
P02	24000000	0197531F	2497531F	0	00000000	ECAB642F	01A8642F	01000000	00000000
P03	50B61072	0197531F	2497531F	0	0197531E	00000000	00000000	FFFFFFF7	11FFFFFFF
P04	AF49E38E	0068ACE1	00000000	0	00000000	D83EA62E	01A8642F	00000000	11000000
P09	5E93C71C	00015903	00000000	0	00000000	D83EA62E	01A8642F	00000000	11000000
P10	35E93C71	0000159C	00000000	0	00000000	D83EA62F	01A8642F	00000000	12000000
P11	104FC53F	016AF398	83000000	0	00000001	27C15901	005798D0	00000000	12000000
P11	85223F23	01851FD0	00000000	0	00000003	27C15901	005798D0	00000000	12000000
P11	5FC72FEA	01897541	00000000	0	00000006	27C15901	005798D0	00000000	12000000
P11	CF111373	02222223	00000001	0	0000000C	D83EA62F	01A8642F	00000000	12000000
P11	CE9F734C	01850CA5	00000002	0	00000018	27C15901	005798D0	00000000	12000000
P11	ECC19A3C	010950EB	00000004	0	00000030	27C15901	005798D0	00000000	12000000
P11	2905E21C	00610078	00000009	0	00000060	D83EA62E	01A8642F	00000000	12000000
P11	02891C94	00147860	00000013	0	000000C0	D83EA62E	01A8642F	00000000	12000000
P11	B58F8584	01798FFF	00000026	0	00000180	27C15901	005798D0	00000000	12000000
P11	BAA18EAC	01A2859F	0000004C	0	00000300	27C15901	005798D0	00000000	12000000
P11	C40630FC	01F4A9DF	00000098	0	00000600	27C15901	005798D0	00000000	12000000
P11	D90F159C	0098705F	00000131	0	00000C00	D83EA62E	01A8642F	00000000	12000000
P11	62907794	0081C31F	00000263	0	00001800	D83EA62E	01A8642F	00000000	12000000
P11	75R43384	00544F9E	000004C7	0	00003000	D83EA62E	01A8642F	00000000	12000000
P11	9B50C364	01F9659C	0000098E	0	00006000	27C15901	005798D0	00000000	12000000
P11	874E3A6C	00A20209	0000131D	0	0000C000	D83EA62E	01A8642F	00000000	12000000
P11	BF19C134	0094CF12	0000263B	0	00018000	D83EA62F	01A8642F	00000000	12000000
P11	25B0C0C4	007A6485	00004C77	0	00030000	D83EA62F	01A8642F	00000000	12000000
P11	0D0EE9F4	0045916A	000098EF	0	00060000	D83EA62F	01A8642F	00000000	12000000
P11	CC3820P4	0108E833	000131DE	0	000C0000	27C15901	005798D0	00000000	12000000
P11	E758F3E0	00670F07	00026380	0	00180000	D83EA62E	01A8642F	00000000	12000000
P11	806F3434	001FE46F	0004C778	0	00300000	D83EA62E	01A8642F	00000000	12000000

00221

SIGMA LOGIC SIMULATION, FDL, CASE 0028									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	8158B4C4	018E913E	00C98EF6	0	00600000	27C159D1	005798D0	00000001	12000000
P11	B23A1D2C	01CC5A1D	00131DEC	0	00C00000	27C159D1	005798D0	00000001	12000000
P11	B3F6EDFC	0047E8DB	00263BD9	0	01800000	D83EA62E	01A8642F	00000000	12000000
P11	186B2854	01E0A017	004C77B2	0	01000000	27C159D1	005798D0	00000001	12000000
P11	8059044C	007077CE	0098EF65	0	00000000	D83EA62E	01A8642F	00000000	12000000
P11	B12F54F4	0031B7FC	0131DECB	0	00000000	D83EA62E	01A8642F	00000000	12000000
P11	12DBF644	01843A59	0263BD96	0	00000000	27C159D1	005798D0	00000001	12000000
P11	753AA02C	0017A852	04C77B2D	0	00000000	D83EA62E	01A8642F	00000000	12000000
P11	9AF28CB4	01801904	098EF65A	0	00000000	27C159D1	005798D0	00000001	12000000
P11	8567CD0C	01AF69A9	131DECB4	0	00000000	27C159D1	005798D0	00000001	12000000
P11	5A524D8C	000E0AF3	263BD969	0	00000000	D83EA62E	01A8642F	00000000	12000000
P11	6521E7D4	016CDE46	4C77B2D2	0	00000000	27C159D1	005798D0	00000001	12000000
P11	19C6834C	0188F42D	98EF65A4	0	00000000	27C159D1	005798D0	00000001	12000000
P11	830FBA3D	01C11FFA	31DECB48	0	00000001	27C159D1	005798D0	00000001	12000000
P11	55A2281E	00317795	63BD9691	0	00000002	D83EA62E	01A8642F	00000000	12000000
P11	5BC19C98	01B3B78A	C77B2D22	0	00000004	27C159D1	005798D0	00000001	12000000
P11	0705ECD5	0016A6B5	8EF65A45	0	00000009	D83EA62E	01A8642F	00000000	12000000
P11	BE892607	017E15C9	1DEC848A	0	00000013	27C159D1	005798D0	00000001	12000000
P11	CC94FFB2	01AB6333	3BD96914	0	00000026	27C159D1	005798D0	00000001	12000000
P11	E8ACB308	0005FE07	77B2D229	0	0000004C	D83EA62E	01A8642F	00000000	12000000
P11	81D6B26C	015CC46F	EF65A452	0	00000098	27C159D1	005798D0	00000001	12000000
P11	5330187D	0168C07F	DEC848A4	0	00000131	27C159D1	005798D0	00000001	12000000
P11	F5E2E49F	0180B89E	BD969148	0	00000263	27C159D1	005798D0	00000001	12000000
P11	3B487CE3	0180A8DE	7B2D2290	0	000004C7	27C159D1	005798D0	00000001	12000000
P11	C613AD6A	0010895C	F65A4521	0	0000098E	D83EA62E	01A8642F	00000000	12000000
P11	3CA4A731	0171DB19	ECB48A42	0	0000131D	27C159D1	005798D0	00000001	12000000
P11	C8CC0207	0192EDD2	D9691484	0	0000263B	27C159D1	005798D0	00000001	12000000
P11	E11AB7B3	01D51345	B2D22908	0	00004C77	27C159D1	005798D0	00000001	12000000
P11	1188230B	00595F2C	65A45211	0	000098FF	D83EA62E	01A8642F	00000000	12000000
P11	D3ED9272	00C384H7	CB48A423	0	000131DE	D83EA62E	01A8642F	00000000	12000000
P11	58587141	0157D1CF	96914846	0	000263BD	27C159D1	005798D0	00000001	12000000
P11	00339627	015EDB3F	2D22908C	0	0004C77B	27C159D1	005798D0	00000001	12000000
P11	4FE9DFF2	016CEE1E	5A452118	0	00098EF6	27C159D1	005798D0	00000001	12000000
P12	B48A4230	00131DEC	5A452118	0	00098EF6	00000000	00000000	FFFFFFFF	12FFFFFF

00222

SIGMA LOGIC SIMULATION, FDL, CASE 0028									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	52131DEC	00131DEC	5A452118	0	00098EF6	00000000	00000000	00000001	12000000
P15	52131DEC	00131DEC	5A452118	0	00098EF6	00000000	00000000	00000000	00000000

00223

SIGMA LOGIC SIMULATION, FDL, CASE 0029									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	B73FB841	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	B73FB841	00000000	B73FB841	0	00000000	00000000	00000000	FF000000	00000000
P02	48000000	013FB841	483FB841	0	00000000	9C4FA62E	014FA62E	01000000	00000000
P03	F93EA754	013FB841	483FB841	0	013FB841	00000000	00000000	FFFFFFF	E5FFFFFF
P04	06C158AC	00C047BE	00000000	0	00000000	94E9520F	014FA62E	00000000	E5000000
P09	0DR2B158	01808F7C	00000000	0	00000000	94E9520F	014FA62E	00000000	E5000000
P10	C0582B15	001808F7	80000000	0	00000000	94E9520F	014FA62E	00000000	E6000000
P11	ABR2FA49	00CF5F4C	00000000	0	00000001	6B16ADF0	00F059D1	00000001	E6000000
P11	2D335074	00FF703C	00000000	0	00000002	6B16ADF0	00F059D1	00000001	E6000000
P11	3093FCCA	015F941B	00000000	0	00000004	6B16ADF0	00F059D1	00000001	E6000000
P11	37555576	001F0B09	00000001	0	00000008	94E9520F	014FA62E	00000000	E6000000
P11	987D4F0A	00D040F0	00000002	0	00000010	6B16ADF0	00F059D1	00000001	E6000000
P11	0727F9F6	011EB9C2	00000004	0	00000020	6B16ADF0	00F059D1	00000001	E6000000
P11	E47D4FCE	019E2B26	00000008	0	00000040	6B16ADF0	00F059D1	00000001	E6000000
P11	9F27FB7E	009D09F0	00000011	0	00000080	94E9520F	014FA62E	00000000	E6000000
P11	68229B1A	01D9603E	00000022	0	00000100	6B16ADF0	00F059D1	00000001	E6000000
P11	A6729216	0113741F	00000045	0	00000200	94E9520F	014FA62E	00000000	E6000000
P11	76B7C84A	00C6349C	0000008B	0	00000400	94E9520F	014FA62E	00000000	E6000000
P11	17423452	002B8596	00000117	0	00000800	94E9520F	014FA62E	00000000	E6000000
P11	58570082	00F6B789	0000022E	0	00001000	6B16ADF0	00F059D1	00000001	E6000000
P11	860B76E6	014E22B5	0000045C	0	00002000	6B16ADF0	00F059D1	00000001	E6000000
P11	E3E449AF	01FCF90D	000008B8	0	00004000	6B16ADF0	00F059D1	00000001	E6000000
P11	9DF5EF3E	015AA5BE	00001171	0	00008000	94E9520F	014FA62E	00000001	E6000000
P11	658E829A	015497DA	000022E3	0	00010000	94E9520F	014FA62E	00000001	E6000000
P11	F54FA952	014R7C11	000045C7	0	00020000	94E9520F	014FA62E	00000001	E6000000
P11	1471F6C2	01304481	00008B8F	0	00040000	94E9520F	014FA62E	00000001	E6000000
P11	52B691A2	00FFD55F	0001171F	0	00080000	94E9520F	014FA62E	00000001	E6000000
P11	CF3FC762	009EF713	00022E3F	0	00100000	94E9520F	014FA62E	00000001	E6000000
P11	C85232E2	01DD3A94	00045C7E	0	00200000	6B16ADF0	00F059D1	00000001	E6000000

00224

SIGMA LOGIC SIMULATION, FDL, CASE 0029									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	6601C1A4	011428CC	0008E9E0	0	00400000	94E9520F	014FA62E	00000000	E6000000
P11	F77627A4	000590F5	001171FB	0	00400000	94E9520F	014FA62E	00000000	E6000000
P11	183EF2F2	004A8849	0022E3F7	0	00400000	94E9520F	014FA62E	00000000	E6000000
P11	5E908442	013450CF	0045C74E	0	00000000	6B16ADF0	00F059D1	00000001	E6000000
P11	80CF6FF6	01C960A1	008BAF0C	0	00000000	6B16ADF0	00F059D1	00000001	E6000000
P11	EFC43BAF	00F38FA5	01171FB9	0	00000000	94E9520F	014FA62E	00000000	E6000000
P11	0967107A	008669A9	022F3F73	0	00000000	94E9520F	014FA62E	00000000	E6000000
P11	3CA0D812	01AC1FAF	045C7EE6	0	00000000	6B16ADF0	00F059D1	00000001	E6000000
P11	4F6F1236	008FE301	04E8F1CC	0	00000000	94E9520F	014FA62E	00000000	E6000000
P11	C840C82A	0011325F	1171FB9B	0	00000000	94E9520F	014FA62E	00000000	E6000000
P11	BB343472	00C1B11C	22E3F736	0	00000000	6B16ADF0	00F059D1	00000001	E6000000
P11	4C95C4C6	00E4150C	45C7EE6C	0	00000000	6B16ADF0	00F059D1	00000001	E6000000
P11	6F5FE96E	0128DF5B	888F0C08	0	00000000	6B16ADF0	00F059D1	00000001	E6000000
P11	B40F268F	014P2309	171FB990	0	00000001	6B16ADF0	00F059D1	00000001	E6000000
P11	3FE8A900	00C59856	2E3F7361	0	00000002	94E9520F	014FA62E	00000000	E6000000
P11	A9A9F60E	00247009	5C7EE6C3	0	00000004	94E9520F	014FA62E	00000000	E6000000
P11	7D2691FA	00FA4670	88F0C086	0	00000000	6B16ADF0	00F059D1	00000001	E6000000
P11	007A7F97	014940A3	71FB980C	0	00000011	6B16ADF0	00F059D1	00000001	E6000000
P11	77225510	01F3344A	E3F73618	0	00000022	6B16ADF0	00F059D1	00000001	E6000000
P11	C4721203	014710F7	C7FE6C31	0	00000045	94E9520F	014FA62E	00000000	E6000000
P11	B286C825	0120864C	8F0C8633	0	0000008B	94E9520F	014FA62E	00000000	E6000000
P11	8FA03469	00FA58F6	1459E0C7	0	00000117	94E9520F	014FA62E	00000000	E6000000
P11	48530CF0	0093FF4A	3F73618F	0	0000022E	94E9520F	014FA62E	00000000	E6000000
P11	3A78B0FE	01C743F1	7EE6C31E	0	0000045C	6B16ADF0	00F059D1	00000001	E6000000
P11	431ED70E	00EF4586	F0C0863D	0	000008B8	94E9520F	014FA62E	00000000	E6000000
P11	C010E304	0070D7A9	F0B0C07E	0	00001171	94E9520F	014FA62E	00000000	E6000000
P11	A9F34005	019AF830	F73618F6	0	000022E3	6B16ADF0	00F059D1	00000001	E6000000
P11	2A13F280	0096AA04	EF6C31E0	0	000045C7	94E9520F	014FA62E	00000000	E6000000
P11	70FA8B39	01CCAC65	0C0863DA	0	00008B8F	6B16ADF0	00F059D1	00000001	E6000000
P11	D2227205	00F9F46D	B3F0C78F	0	0001171F	94E9520F	014FA62E	00000000	E6000000
P11	CE178AC9	00933538	73618F68	0	00022E3F	94E9520F	014FA62E	00000000	E6000000
P11	C6018580	01C6B4CE	E6C31E06	0	00045C7E	6B16ADF0	00F059D1	00000001	E6000000
P11	6230C743	00FC2140	C08630AD	0	0008B8FD	94E9520F	014FA62E	00000000	E6000000
P12	930C735B	001171FB	C08630AD	0	0008B8FD	00000000	00000000	FFFFFFF	EFFFFFF

00225

TIME	SIGMA LOGIC SIMULATION, FDL CASE 0029								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	261171FB	001171FB	CD863DAD	0	0008B8FD	00000000	00000000	00000000	E6000000
P15	261171FB	001171FB	CD863DAD	0	0008B8FD	00000000	00000000	00000000	00000000

00226

TIME	SIGMA LOGIC SIMULATION, FDL CASE 0030								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	FDB5EC82	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	FDB5EC82	00000000	FDB5EC82	0	00000000	00000000	00000000	FFFFFFFF	00000000
P02	02000000	01B5EC82	02B5EC82	0	00000000	F06AE145	016AE145	01000000	00000000
P03	F7E6E3A5	01B5EC82	02B5EC82	0	01B5EC82	00000000	00000000	FFFFFFFF	F3FFFFFF
P04	08191C5B	004A1370	00000000	0	00000000	24061357	016AE145	00000001	F3000000
P09	10323846	009426FA	00000000	0	00000000	24061357	016AE145	00000001	F3000000
P11	687C9A1C	01FF107E	00000000	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	8805C988	01265F72	00000001	0	00000000	24061357	016AE145	00000001	F3000000
P11	59B639C0	01227F6F	00000003	0	00000000	24061357	016AE145	00000001	F3000000
P11	FB789A30	011AC168	00000007	0	00000000	24061357	016AE145	00000001	F3000000
P11	3EFD5B10	010B455C	0000000F	0	00000000	24061357	016AE145	00000001	F3000000
P11	C676DC00	00FC4042	0000001F	0	00000000	24061357	016AE145	00000001	F3000000
P11	D419E050	00AE500F	0000003F	0	00000000	24061357	016AE145	00000001	F3000000
P11	F03FE750	00327CA9	0000007F	0	00000000	24061357	016AE145	00000001	F3000000
P11	288BF550	013AB9DE	000000FF	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	090BC3F0	019FB532	000001FC	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	CA086130	0069A7D9	000003F9	0	00000000	24061357	016AE145	00000001	F3000000
P11	DC22E910	01A9123D	000007F2	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	7039AB70	007C61F1	00000FE5	0	00000000	24061357	016AE145	00000001	F3000000
P11	287F7090	01CF866D	00001FCA	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	08F2C470	00C74A50	00003F95	0	00000000	24061357	016AE145	00000001	F3000000
P11	59F1CF90	0064572A	00007F2B	0	00000000	24061357	016AE145	00000001	F3000000
P11	FBFFC5D0	019E70DE	0000FE56	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	AFD364F0	00671F33	0001FCAD	0	00000000	24061357	016AE145	00000001	F3000000
P11	A782F090	01A400F1	0003F95A	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	0759A700	00723F59	0007F2B5	0	00000000	24061357	016AE145	00000001	F3000000
P11	568F9B90	01BA413C	00CFE56A	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000
P11	65731070	009EBFEE	001FCA05	0	00000000	24061357	016AE145	00000001	F3000000
P11	12F24790	00134267	003F95AB	0	00000000	24061357	016AE145	00000001	F3000000
P11	6DF0B5D0	00FC4758	007F2B56	0	00000000	DBF9ECAB	00951EBA	00000000	F3000000

00227

SIGMA LOGIC SIMULATION, FDL, CASE 0030									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	93D544F0	0122CC26	03FE56AC	0	00000000	DBF9ECA8	00951EBA	00000000	F3000000
P11	DF9E6330	016FD5C2	01FCAD58	0	00000000	DBF9ECA8	00951EBA	00000000	F3000000
P11	77309FB0	0009E8FB	03F95AB1	0	00000000	24061357	016AE145	00000001	F3000000
P11	366D6610	00E99481	07F2B562	0	00000000	DBF9ECA8	00951EBA	00000000	F3000000
P11	24CEA570	00FD6678	0FF56AC4	0	00000000	DBF9ECA8	00951EBA	00000000	F3000000
P11	01912430	01E50A66	1FCAD588	0	00000000	DBF9ECA8	00951EBA	00000000	F3000000
P11	BB1621B0	01745241	3F95AB10	0	00000000	DBF9ECA8	00951EBA	00000000	F3000000
P11	2E201CB0	0012E1F9	7F2B5621	0	00000000	24061357	016AE145	00000001	F3000000
P11	A44C6010	00F8867C	FE56AC42	0	00000000	DBF9ECA8	00951EBA	00000000	F3000000
P11	008C9971	01214A6F	FCAD5884	0	00000001	DBF9ECA8	00951EBA	00000000	F3000000
P11	B90D0C33	016CD253	F95AB108	0	00000003	DBF9ECA8	00951EBA	00000000	F3000000
P11	2A0DF187	0003E21D	F2B56211	0	00000007	24061357	016AE145	00000001	F3000000
P11	9C28CA1F	00DD86C4	E56AC422	0	0000000F	DBF9ECA8	00951EBA	00000000	F3000000
P11	F043ED8F	00E54AFE	CAD58844	0	0000001F	DBF9ECA8	00951EBA	00000000	F3000000
P11	9878B46F	00F4D373	95AB1088	0	0000003F	DBF9ECA8	00951EBA	00000000	F3000000
P11	E8FB422F	0113E45C	24562110	0	0000007F	DBF9ECA8	00951EBA	00000000	F3000000
P11	89CA5DAF	0152062F	56AC4220	0	000000FF	DBF9ECA8	00951EBA	00000000	F3000000
P11	C88894AC	01CE49D4	A0588440	0	000001FC	DBF9ECA8	00951EBA	00000000	F3000000
P11	4F0502A9	00C6D11F	5AB10881	0	000003F9	24061357	016AE145	00000001	F3000000
P11	E6162C02	006364C8	B5621103	0	000007F2	24061357	016AE145	00000001	F3000000
P11	14387EB5	019C8C1C	6AC42206	0	00000FE5	DBF9ECA8	00951EBA	00000000	F3000000
P11	E064D68A	006355AD	D588440D	0	00001FCA	24061357	016AE145	00000001	F3000000
P11	08D5D425	019C6DE6	AB10881A	0	00003F95	DBF9ECA8	00951EBA	00000000	F3000000
P11	C99F819B	00631941	56211035	0	00007F2B	24061357	016AE145	00000001	F3000000
P11	D84B29E6	019BF50D	AC42206A	0	0000FE56	DBF9ECA8	00951EBA	00000000	F3000000
P11	6E8A2D1D	00622791	588440D5	0	0001FCAD	24061357	016AE145	00000001	F3000000
P11	252C80EA	019A11AD	B10881AA	0	0003F95A	DBF9ECA8	00951EBA	00000000	F3000000
P11	0234D825	005F6000	62110355	0	0007FE2B5	24061357	016AE145	00000001	F3000000
P11	4C75DCFA	0192842A	C42206AA	0	000FE56A	DBF9ECA8	00951EBA	00000000	F3000000
P11	50CF9345	004F45CA	88440D55	0	001FCAD5	24061357	016AE145	00000001	F3000000
P11	E9CB403B	01744F1E	10881AAA	0	003F95AB	DBF9ECA8	00951EBA	00000000	F3000000
P12	21103555	007F2B56	10881AAA	0	003F95AB	00000000	00000000	FFFFFFF	F3FFFFFF
P13	338CD4A9	0180D4A9	10881AAA	0	003F95AB	00000000	00000000	FFFFFFFF	F3000000

00228

SIGMA LOGIC SIMULATION, FDL, CASE 0030									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	CC8CD4A9	0180D4A9	10881AAA	0	003F95AB	00000000	00000000	00000000	00000000

00229

SIGMA LOGIC SIMULATION, FDL CASE 0031									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	61B54E82	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	61B54E82	00000000	61B54E82	0	00000000	00000000	00000000	FF000000	00000000
P02	61000000	00B54F82	61B54E82	0	00000000	D73FB31A	013FB31A	01000000	00000000
P03	EA62C8EF	00B54E82	61B54E82	0	00B54E82	00000000	00000000	00000000	39000000
P04	EA62C8EF	00B54F82	00000000	0	00000000	F93DC90A	013FB31A	00000000	39000000
P09	D4C591DE	016A9D05	00000000	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	9C06B5D0	0154A041	00000001	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	2A88FDB4	0128A6B9	00000003	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	478D8D7C	0000B3A8	00000007	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	8196A00C	0020C086	0000000F	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	F5A8EC2C	00C10142	0000001E	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	F8D64644	01029C4F	0000003C	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	FF30FA74	0185D269	00000078	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	0BE662D4	008C3E9E	000000F1	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	0A48578C	0197E372	000001E2	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	22151D64	00B060AE	000003C5	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	36A5CC0C	01E02792	0000078A	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	7AD007A4	0140E4EE	00000F15	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	E81BA15C	01013812	00C01E2B	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	C2B7D4CC	0081D65B	00C03C57	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	77E13BAC	018312ED	000078AE	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	FD46E544	0086BFA4	00C0F15D	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	ED095C9C	018CE57F	00C1E2BA	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	E7972724	009A64C9	00C03C57	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	C1A9E05C	01842FC9	00C78AE4	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	90D82EA4	00E8F95D	000F15D5	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	142BEF5C	005158F1	001E2BAB	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	1AD370CC	01221818	003C5756	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	432B4F84	01C4C9FA	0078AEAC	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	93D80CF4	010A27BE	00F15D59	0	00000000	F93DC90A	013FB31A	00000000	39000000

00230

SIGMA LOGIC SIMULATION, FDL CASE 0031									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	1A31ABFC	0093C1B3	01E2BAB3	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	26DEEA0C	01A6E99C	03C57566	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	58424204	00CF6A02	078AFA0D	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	A90C161C	001C403A	0F15D598	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	4478BF4C	00B7E4A8	1E2BA336	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	967BEA84	00F06720	3C57566C	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	3A7C42F4	01616808	78AEAC08	0	00000000	06C236F5	00C04CE5	00000001	39000000
P11	827CF3D4	004369E0	F15D5981	0	00000000	F93DC90A	013FB31A	00000000	39000000
P11	F775798C	01C639F6	E2EAB362	0	00000001	06C236F5	00C04CE5	00000001	39000000
P11	FC6F6157	018D07B7	C57566C4	0	00000003	06C236F5	00C04CE5	00000001	39000000
P11	0663308B	009A853A	8AEACD89	0	00000007	F93DC90A	013FB31A	00000000	39000000
P11	FF41F38B	01A4D0A9	15D59812	0	0000000F	06C236F5	00C04CE5	00000001	39000000
P11	0C085502	00EA3B1E	28AB3625	0	0000001E	F93DC90A	013FB31A	00000000	39000000
P11	0A8C3C18	00530C72	57566C4B	0	0000003C	F93DC90A	013FB31A	00000000	39000000
P11	0794CA44	01271F1A	AEACD896	0	00000078	06C236F5	00C04CE5	00000001	39000000
P11	1CAC8275	01CFD7FE	5D59812C	0	000000F1	06C236F5	00C04CE5	00000001	39000000
P11	46D72D06	011E49C6	8AE36259	0	000001E2	F93DC90A	013FB31A	00000000	39000000
P11	803677C1	0088F9C2	7566C4B3	0	000003C5	F93DC90A	013FB31A	00000000	39000000
P11	F2E88196	01F759EA	EACD8966	0	0000078A	06C236F5	00C04CE5	00000001	39000000
P11	F3557119	016F473F	D59812CC	0	00000F15	F93DC90A	013FB31A	00000000	39000000
P11	D9267447	015E0085	A836259B	0	00001E2B	F93DC90A	013FB31A	00000000	39000000
P11	A4C87AA3	013867A1	566C4B37	0	00003C57	F93DC90A	013FB31A	00000000	39000000
P11	3C0C875A	00F43579	ACD8966F	0	000078AE	F93DC90A	013FB31A	00000000	39000000
P11	6A94ACC9	006D1128	59812CDF	0	0000F15D	F93DC90A	013FB31A	00000000	39000000
P11	C7A4D3A6	01570886	B36259BE	0	0001E2BA	06C236F5	00C04CE5	00000001	39000000
P11	9CCF1539	002FAA07	66C4B370	0	0003C575	F93DC90A	013FB31A	00000000	39000000
P11	2C17BC86	00DCB8E5	CD8966FA	0	00078AE4	06C236F5	00C04CE5	00000001	39000000
P11	6583E6F9	013A1194	9812CDF4	0	000F15D5	06C236F5	00C04CE5	00000001	39000000
P11	DBFC38DF	01F4BCF2	36259BE8	0	001F22AB	06C236F5	00C04CE5	00000001	39000000
P11	BF5CE5AA	016A13AF	6C4B37D1	0	003C5756	F93DC90A	013FB31A	00000000	39000000
P11	71355068	01538D95	D8966FA3	0	0078AEAC	F93DC90A	013FB31A	00000000	39000000
P12	B12CDF47	00F15D59	D8966FA3	0	0078AEAC	00000000	00000000	FFFFFFF	39FFFFFF
P13	79CEA2A6	01CEA2A6	D8966FA3	0	0078AEAC	00000000	00000000	FF00000	39000000

00231

SIGMA LOGIC SIMULATION, FDL, CASE 0031									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	860EA2A6	010EA2A6	D8966FA3	0	0078AEAC	00000000	00000000	00000000	00000000

00232

SIGMA LOGIC SIMULATION, FDL, CASE 0032									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	3D71CAF4	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	3D71CAF4	00000000	3D71CAF4	0	00000000	00000000	00000000	FF000000	00000000
P02	3D000000	00710AF4	3D710AF4	0	00000000	D951B76F	0151B76F	01000000	00000000
P03	B3B47F87	00710AF4	3D710AF4	0	00710AF4	00000000	00000000	00000000	17000000
P04	B3F47F87	00710AF4	00000000	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P09	6768FF0E	00E215E9	00000000	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	76171AF8	00679AE2	00000001	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	9373520C	0172A444	00000002	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	7FA1883C	0041D9A9	00000005	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	A6882F54	01272P32	0000000A	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	A5CB3F0C	01AA0F55	00000014	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	A451628C	00223C28	00000029	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	EFF7E254	0007E736	00000053	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	8714E184	00233C4D	000000AF	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	66F4A62C	00C3C08B	0000014C	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	26942F7C	00E2A997	00000228	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	A5C3421C	0121E24E	0000053C	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	A441675C	01A0555D	00000A60	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	A13D810C	002D3C9B	000014C1	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	E9C08204	010DE816	00002982	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	2C38E44C	0118614E	00005305	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	FF0CE574	00A43175	0000A608	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	A6FFE704	0098D1D7	00014C17	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	F4C2E064	0138128E	0002982E	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	424CF8EC	0122843E	0005305C	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	003CB4FC	01C1F09C	000A6082	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	618D2204	00A76A19	0014C173	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	6AC0C284	01F24312	002982E6	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	2E3C682C	01411745	005305CE	0	00000000	D3A28F6E	0151B76F	00000000	17000000
P11	038D0D34	0125926A	00A60888	0	00000000	D3A28F6E	0151B76F	00000000	17000000

00233

SIGMA LOGIC SIMULATION, FDL CASE 0032									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	AEC0F744	00EEA9B3	014C1737	0	00000000	D3A28E6E	0151B76F	00000000	17000000
P11	04C70B64	0080C247	02982E6F	0	00000000	D3A28E6E	0151B76F	00000000	17000000
P11	B0D333A4	01A4F36D	05305CDE	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	BA614A6C	00A677FB	0A60B9BD	0	00000000	D3A28E6E	0151B76F	00000000	17000000
P11	1C07B1B4	01F05ED7	14C1737A	0	00000000	2C5D7191	00AE4890	00000001	17000000
P11	90CA468C	013D4ECE	2982E6F5	0	00000000	D3A28E6E	0151B76F	00000000	17000000
P11	C8D9A9F4	011E0C7C	5305CDEB	0	00000000	D3A28E6E	0151B76F	00000000	17000000
P11	38F870C4	00DF87D9	A6CB9BD7	0	00000000	D3A28E6E	0151B76F	00000000	17000000
P11	1935FE65	00627E92	4C1737AF	0	00000001	D3A28E6E	0151B76F	00000000	17000000
P11	D9B119A6	01686C03	982E6F5E	0	00000002	2C5D7191	00AE4890	00000001	17000000
P11	0C1D1671	002D6928	305CDEBD	0	00000005	D3A28E6E	0151B76F	00000000	17000000
P11	8F7F498E	00FE412F	60B9BD7A	0	0000000A	2C5D7191	00AE4890	00000001	17000000
P11	07B976A0	0159137F	C1737AF4	0	00000014	2C5D7191	00AE4890	00000001	17000000
P11	082DD065	000E8820	82F6F5E9	0	00000029	D3A28E6E	0151B76F	00000000	17000000
P11	87A0BDA7	00C0DF1F	05CDEBD2	0	00000053	2C5D7191	00AE4890	00000001	17000000
P11	C7FC5E72	00DE4F5F	0B9BD7A4	0	000000A6	2C5D7191	00AE4890	00000001	17000000
P11	E8B3A008	01192FDF	1737AF48	0	0070014C	2C5D7191	00AE4890	00000001	17000000
P11	2A222334	018FF0E0	2E6F5E90	0	00000298	2C5D7191	00AE4890	00000001	17000000
P11	ACFF298C	007A72E0	5CDEBD21	0	00000530	D3A28E6E	0151B76F	00000000	17000000
P11	01436FF4	019854A1	B9BD7A42	0	00000A60	2C5D7191	00AE4890	00000001	17000000
P11	5841C30D	008D3A62	737AF485	0	000014C1	D3A28E6E	0151B76F	00000000	17000000
P11	5DC8A2F6	00BDE3A4	E6F5E90A	0	00002982	2C5D7191	00AE4890	00000001	17000000
P11	144C2911	00D85869	CDEBD215	0	00005305	D3A28E6E	0151B76F	00000000	17000000
P11	CFDD6EFF	00541FB1	9BD7A42B	0	0000A60B	D3A28E6E	0151B76F	00000000	17000000
P11	46FFFADB	014BAE43	37AF4856	0	00014C17	2C5D7191	00AE4890	00000001	17000000
P11	E6BAD8DA	01F3E0A6	6F5E90AC	0	0002982E	2C5D7191	00AE4890	00000001	17000000
P11	26309408	01446C6E	DEBD2159	0	0005305C	D3A28E6E	0151B76F	00000000	17000000
P11	F3A6468D	012C47BB	BD7A42B3	0	000A60B9	D3A28E6E	0151B76F	00000000	17000000
P11	8E91A9F7	00FBFF57	7AF48567	0	0014C173	D3A28E6E	0151B76F	00000000	17000000
P11	C4687CCA	009B6E8E	F5E90ACF	0	002982E6	D3A28E6E	0151B76F	00000000	17000000
P11	3015FE71	01DA45FD	E8D2159E	0	005305C0	2C5D7191	00AE4890	00000001	17000000
P12	D7A4283D	00A60R9B	E8D2159E	0	005305C0	00000000	00000000	FFFFFFFF	17FFFFFF
P13	5759F464	0159F464	E8D2159E	0	005305C0	00000000	00000000	FF000000	17000000

00234

SIGMA LOGIC SIMULATION, FDL CASE 0032									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P15	A859F464	0159F464	E8D2159E	0	005305C0	00000000	00000000	00000000	00000000

00235

SIGMA LOGIC SIMULATION, FDL, CASE 0033									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	511706C2	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PC1	511706C2	00000000	511706C2	0	00000000	00000000	00000000	FF000000	00000000
P02	51000000	001706C2	511706C2	0	00000000	E4B39F7F	01B39F7F	01000000	00000000
P03	F3A59E74	001706C2	511706C2	0	001706C2	00000000	00000000	00000000	36000000
PC4	F3A59E74	001706C2	00000000	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
PC9	E74B3CE8	002F0D85	00000000	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	B7DAD8AC	01C35A0B	00000000	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	8671527C	001F7517	00000001	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	F62703D4	01A6292E	00000002	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	0309A8CC	01E5135E	00000004	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	1CCEF23C	0062E7BC	00000009	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	22F24454	002D0F78	00000013	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	22F24454	01C159F0	00000026	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	74CD702C	001R79E0	0000004D	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	D2DF3F34	019F30C0	0000009A	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	BC7A1F8C	01D52281	00000134	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	8FAFE03C	00430603	00000269	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	08A41F54	01FD4B07	000004D2	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	2803DFCC	0073570F	000009A5	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	394C1E74	004DE01C	0000134B	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	580C98C4	00031938	00002697	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	ADF09664	016D7170	00004D2E	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	5896C0FC	0173A3E1	00009A5C	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	C8293CFC	018008C2	000134B8	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	A70E191C	0198D285	00026970	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	64D7D75C	01CA660B	0004D2E0	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	E06B4FDC	002D8016	0009A5C1	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	AA1AFE94	01C2592D	00134B82	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	6AF19E4C	001D735B	00269705	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	BF279B74	01A225B6	004D2E0A	0	00000000	0B5DD091	004C6080	00000001	36000000

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SIGMA LOGIC SIMULATION, FDL, CASE 0033									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	950AD80C	01000C6D	009A5C14	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	40D1513C	0052D99B	0134B829	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	6AE70154	000CF266	02697053	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	BF126184	0181246C	0402F0A6	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	94F0642C	0198D285	02A5C14C	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	407C697C	01CED483	134B8298	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	97B4741C	00366A66	26970531	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	18AD4714	01D413CD	422E0A62	0	00000000	0B5DD091	004C6080	00000001	36000000
P11	48162F4C	0049E99A	945C1405	0	00000000	F4A22F6E	01B39F7F	00000000	36000000
P11	7970B175	01E91034	34B8294A	0	00000001	0B5DD091	004C6080	00000001	36000000
P11	099D1C0F	006AE169	69705315	0	00000002	F4A22F6E	01B39F7F	00000000	36000000
P11	FC7E96F8	003D01D1	D2E0A62B	0	00000004	F4A22F6E	01B39F7F	00000000	36000000
P11	E2418CC0	01E142A3	A5C14C56	0	00000009	0B5DD091	004C6080	00000001	36000000
P11	DB3EBABF	005B4447	42B298AD	0	00000013	F4A22F6E	01B39F7F	00000000	36000000
P11	9FC1B45A	0010C88F	9705315B	0	00000026	F4A22F6E	01B39F7F	00000000	36000000
P11	28C80791	01A2D61F	2E0A6296	0	0000004D	0B5DD091	004C6080	00000001	36000000
P11	684B8046	01F6003E	5C14C56C	0	0000009A	0B5DD091	004C6080	00000001	36000000
P11	E7530180	005F987C	B8298AD9	0	00000134	F4A22F6E	01B39F7F	00000000	36000000
P11	B7FA623D	001275F9	705315B3	0	00000269	F4A22F6E	01B39F7F	00000000	36000000
P11	59192386	018C24F3	F0462B66	0	000004D2	0B5DD091	004C6080	00000001	36000000
P11	C8FDE7D1	01E116E6	014C56CC	0	000009A5	0B5DD091	004C6080	00000001	36000000
P11	A8977007	01FAEFC0	8298AD98	0	00001348	0B5DD091	004C6080	00000001	36000000
P11	67FA82B3	00AE9F9B	05315B31	0	00002697	F4A22F6E	01B39F7F	00000000	36000000
P11	B9196442	00847C36	0A62B663	0	00004D2E	F4A22F6E	01B39F7F	00000000	36000000
P11	5B772760	0070376D	14C56CC7	0	00009A5C	F4A22F6E	01B39F7F	00000000	36000000
P11	AC32A09C	0047A7DA	298AD98F	0	0001348B	F4A22F6E	01B39F7F	00000000	36000000
P11	29A9BA14	01FA9485	5315B31E	0	00026970	0B5DD091	004C6080	00000001	36000000
P11	6A0F154C	0055F66A	A62B663D	0	0004D2E0	F4A22F6E	01B39F7F	00000000	36000000
P11	B0628975	007329D4	4C56CC7B	0	0009A5C1	F4A22F6E	01B39F7F	00000000	36000000
P11	64097106	004096A9	98AD98F7	0	00134882	F4A22F6E	01B39F7F	00000000	36000000
P11	B1574269	00026C52	315B31F1	0	00269705	F4A22F6E	01B39F7F	00000000	36000000
P12	62B663DE	00402F0A	315B31EF	0	00269705	00000000	00000000	FFFFFFFF	3AFFFFFF
P13	76B201F5	01E2D1F5	315B31EF	0	00269705	00000000	00000000	FFFFFFFF	3AFFFFFF

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SIGMA LOGIC SIMULATION, FDL CASE 0033									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	89B2D1F5	01B2D1F5	315B31EF	0	00269705	00000000	00000000	00000000	00000000

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SIGMA LOGIC SIMULATION, FDL CASE 0034									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	9E50492F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PC1	9E50492F	00000000	9E50492F	0	00000000	00000000	00000000	FFFFFFFF	00000000
PC2	61000000	0150492F	6150492F	0	00000000	DA384F69	01384F69	01000000	00000000
PC3	8C792302	0150492F	6150492F	0	0150492F	00000000	00000000	FFFFFFFF	3CFFFFFF
PC4	73860C2E	03AFB6D0	00000000	0	00000000	F6E47A15	01384F69	00000001	3C000000
PC9	E70DB85C	015F67A0	00000000	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	BBE464E4	012F7A15	00000001	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	6591BDF4	00CF92FF	00000003	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	88FC7014	00CFC402	00000007	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	5FA1D454	00902879	0000000E	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	017AB47C	00AFB21E	0000001C	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	B5PC74CC	00EEC569	00000038	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	7C8FF55C	016CEFFF	00000070	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	0856F6AC	0069392B	000000E1	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	0476E184	0143112A	000001C2	0	00000000	091B85EA	00C7B096	00000001	3C000000
P11	1B24CEDC	00158380	00000385	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	241291E4	0098A5D4	0000070A	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	5A5C2F9C	00C6ACD4	00000E14	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	C6FF6B0C	011CBAD4	00001C28	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	A015E1EC	01C8D6D5	00003850	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	5262CFAC	01P10FD7	000070A1	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	928E9384	00E2BC82	00000E143	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	12E61434	01D617D9	0001C286	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	3803423C	01289AD5	0003850D	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	5DC778A4	00E7C090	00070A1B	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	A967E574	00401FF4	000E1437	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	40988F14	00F00FBD	001C286F	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	936889FC	01711FA6	003850DC	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	39C81FCC	00719F79	0070A1B9	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	5FD933C4	0153D8C6	00E14372	0	00000000	091B85EA	00C7B096	00000000	3C000000

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SIGMA LOGIC SIMULATION, FDL, CASE 0034

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	D1E9735C	003718B8	01C286E5	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	9198DAE4	00DED045	03850DCA	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	356EC19C	014D01B7	070A1B94	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	7D148FOC	0029649A	0E143729	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	E7F21244	00C36808	1C286E52	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	E218305C	0116313D	3850DCA4	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	D66D6C8C	01HBC3A7	70A1B948	0	00000000	091B85EA	00C7B096	00000000	3C000000
P11	BF11E4FC	0106E87B	F1437291	0	00000000	F6E47A15	01384F69	00000001	3C000000
P11	68EC8E05	007E6FCB	C286E523	0	00000001	F6E47A15	01384F69	00000001	3C000000
P11	C5A27037	016D7F6A	850DCA46	0	00000003	091B85EA	00C7B096	00000000	3C000000
P11	9D78EC43	006A5F01	0A1B948D	0	00000007	F6E47A15	01384F69	00000001	3C000000
P11	28C0CCB2	01455AD7	1437291A	0	0000000E	091B85EA	00C7B096	00000000	3C000000
P11	6388A538	001A16DA	286E5235	0	0000001C	F6E47A15	01384F69	00000001	3C000000
P11	B59A3E9C	00A4CC88	50DCA46A	0	00000038	091B85EA	00C7B096	00000000	3C000000
P11	7CAB890C	00D8FA3D	A1B948D4	0	00000070	091B85EA	00C7B096	00000000	3C000000
P11	0B8E10ED	014155A7	437291A8	0	000000CE	091B85EA	00C7B096	00000000	3C000000
P11	295347AE	00120C7A	86F52351	0	000001C2	F6E47A15	01384F69	00000001	3C000000
P11	406F8389	009487C8	0DCA46A2	0	00000385	091B85EA	00C7B096	00000000	3C000000
P11	931612E6	0088D08C	1B948D44	0	0000070A	091B85EA	00C7B096	00000000	3C000000
P11	386331AC	010102A5	37291A88	0	00000E14	091B85EA	00C7B096	00000000	3C000000
P11	82FD6F14	01916676	6E52351C	0	00001C28	091B85EA	00C7B096	00000000	3C000000
P11	1831E9FC	00R22F19	DCA46A21	0	00003850	F6E47A15	01384F69	00000001	3C000000
P11	1E2CC825	01D4F006	B948D442	0	000070A1	091B85EA	00C7B096	00000000	3C000000
P11	4E909C1F	01395738	7291A885	0	0000E143	F6E47A15	01384F69	00000001	3C000000
P11	8AF42C6A	00E34A44	E523510B	0	0001C286	F6E47A15	01384F69	00000001	3C000000
P11	039D4D01	0037395D	CA46A217	0	0003850D	F6E47A15	01384F69	00000001	3C000000
P11	F5038E2F	00DF118D	948D442E	0	00070A1B	091B85EA	00C7B096	00000000	3C000000
P11	FC3E2833	014D8447	291A885C	0	000E1437	091B85EA	00C7B096	00000000	3C000000
P11	CAB3FC3A	002A698C	52351039	0	001C286F	F6E47A15	01384F69	00000001	3C000000
P11	032FACA0	00C5724C	A46A2172	0	003850DC	091B85EA	00C7B096	00000000	3C000000
P11	18966515	011A4FC4	48D442F4	0	0070A1B9	091B85EA	00C7B096	00000000	3C000000
P12	91ARR50R	00E14372	48D442E4	0	0070A1B9	00000000	00000000	FFFFFFFF	3CFFFFFF
P13	7C1EBC8D	011FBC8D	48D442E4	0	0070A1B9	00000000	00000000	FFFFFFFF	3CFFFFFF

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SIGMA LOGIC SIMULATION, FDL, CASE 0034

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	8314BC8D	011FBC8D	48D442E4	0	0070A1B9	00000000	00000000	00000000	00000000

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SIGMA LOGIC SIMULATION, FDL CASE 0035									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	43123577	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PO1	43123577	00000000	43123577	0	00000000	00000000	00000000	FF000000	00000000
PO2	43000000	00123577	43123577	0	00000000	E3528CD3	01528CD3	01000000	00000000
PO3	C1F7CFOE	00123577	43123577	0	00123577	00000000	00000000	00000000	27000000
PO4	C1F7CFOE	00123577	00000000	0	00000000	D7CEB350	01528CD3	00000001	27000000
PO9	83EF9E1C	00246AEF	00000000	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	B77CA2DA	00EDEF86	00000000	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	BF5BDF12	0136C565	00000000	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	CF1A5782	01C87123	00000000	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	EE974862	00EBC89F	00000001	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	8CCBF766	007CAAE7	00000003	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	C935556E	019E6F76	00000006	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	E2CD443A	0097C545	00000000	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	7537EF16	01D4A433	0000001A	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	3AD2778A	01042EBF	00000035	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	25425586	00AD7726	0000006B	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	FA22120E	000007F3	00000007	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	A3E18AEF	00A5298F	000001AE	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	9825AEDA	00A53977	0000035C	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	80ADF712	00A55947	000006B8	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	51BE8782	00A598E7	00000D70	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	F3DF8622	00A61926	000001AE	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	3821EA22	00A716A6	0000035C	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	C0A66DA2	00A913A4	000006B8	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	D1AF74A2	00AD0DA1	00000D70	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	F3C182A2	00B5019B	0001AE00	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	37E59EA2	00C4E990	00035C00	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	C02DD6A2	00E4B978	0006B800	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	D0BE46A2	01245949	000D7000	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	F1DF26A2	01A398EB	001AE000	0	00000000	28314CAF	00AD732C	00000000	27000000

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SIGMA LOGIC SIMULATION, FDL CASE 0035									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	3420E6A2	00A21830	0035C001	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	17DF33E6	01E94A08	00688002	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	8021012A	012F7A68	00D70005	0	00000000	D7CEB350	01528CD3	00000000	27000000
P11	AFDF88F6	01000F78	01AE000B	0	00000000	D7CEB350	01528CD3	00000000	27000000
P11	0F5C388E	00A53699	035C0017	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	CE55D78F	01EF84D9	06B8002F	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	ED0E48DA	0139F408	0070005D	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	9989F856	0119018F	1AE0009B	0	00000000	D7CEB350	01528CD3	00000000	27000000
P11	C311574E	00D71026	35C00177	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	35C0153E	005353F5	688002EF	0	00000000	D7CEB350	01528CD3	00000000	27000000
P11	181D911E	014BC192	D7C005DE	0	00000000	28314CAF	00AD732C	00000000	27000000
P11	869DBB9B	01F7697C	AEC008BC	0	00000001	28314CAF	00AD732C	00000000	27000000
P11	509E1095	013FB951	5C001779	0	00000003	D7CEB350	01528CD3	00000001	27000000
P11	6AD987CC	01248C4A	B8002EF3	0	00000006	D7CEB350	01528CD3	00000001	27000000
P11	8550763B	00EF323C	70005DE7	0	00000000	D7CEB350	01528CD3	00000001	27000000
P11	BA3E5318	00817F20	E0008BCF	0	0000001A	D7CEB350	01528CD3	00000001	27000000
P11	241ACCD3	01A815E9	C001779E	0	00000035	28314CAF	00AD732C	00000000	27000000
P11	9896B305	00A8122A	8002EF3D	0	00000068	D7CEB350	01528CD3	00000001	27000000
P11	E0CACCA0	01FR37FC	0005DE7A	0	000000D7	28314CAF	00AD732C	00000000	27000000
P11	11F83258	01516252	000BRCF5	0	000001AE	D7CEB350	01528CD3	00000001	27000000
P11	D38DCC12	0147DE4B	001779EB	0	0000035C	D7CEB350	01528CD3	00000001	27000000
P11	5648FEC6	0134D63F	002EF3D7	0	000006B8	D7CEB350	01528CD3	00000001	27000000
P11	5D0F642E	010FC626	005DE7AF	0	00000D70	D7CEB350	01528CD3	00000001	27000000
P11	699C2FFE	00C2A5F4	00B8CF5F	0	00001AE0	D7CEB350	01528CD3	00000001	27000000
P11	8315C49E	002A6590	01779EBF	0	000035C0	D7CEB350	01528CD3	00000001	27000000
P11	B5C8E9DE	00F9F4C8	02EF3D7E	0	00006B80	28314CAF	00AD732C	00000000	27000000
P11	BBF4791A	01E4AF99	05DE7AFC	0	0000D700	28314CAF	00AD732C	00000000	27000000
P11	CR488E92	01F8462B	08BCF5F8	0	0001AE00	28314CAF	00AD732C	00000000	27000000
P11	E0F9B082	014R72AF	1779EBF1	0	00035C00	D7CEB350	01528CD3	00000000	27000000
P11	7190C7A6	0138FF07	2EF3D7E3	0	0006B800	D7CEB350	01528CD3	00000001	27000000
P11	928EF5FE	01101786	50E7AFC7	0	000D7000	D7CEB350	01528CD3	00000001	27000000
P12	BBCF5F8F	001AE000	50E7AFC7	0	000D7000	00000000	00000000	FFFFFFFF	27FFFFFF
P13	671AE000	001AE000	50E7AFC7	0	000D7000	00000000	00000000	00000000	27000000

00243

SIGMA LOGIC SIMULATION, FDL, CASE 0035

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	671AE000	001AE000	5DE7AFC7	0	000D7000	00000000	00000000	00000000	00000000

00244

SIGMA LOGIC SIMULATION, FDL, CASE 0036

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	AC82E644	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	AC82E644	00000000	AC82E644	0	00000000	00000000	00000000	FF000000	00000000
P02	53000000	01F2E644	5302E644	0	00000000	DAF7F352	01F7F352	01000000	00000000
P03	6C281703	0182E644	5302E644	0	0182E644	00000000	00000000	FFFFFFF	FFFFFFF
P04	9307E620	00701000	00000000	0	00000000	016CB576	01F7F352	00000000	2F000000
P09	27AF000A	00FA3377	00000000	0	00000000	016CB576	01E7F352	00000000	2E000000
P10	727AF005	00FA3377	40000000	0	00000000	016CB576	01F7F352	00000000	2E000000
P11	E70F64F7	01E20012	40000000	0	00000001	FE934A89	00180CAD	00000000	2F000000
P11	00055F02	000F7361	80000001	0	00000002	016CB576	01F7F352	00000000	2F000000
P11	9C6428F1	01FCC0A7	00000002	0	00000005	FE934A89	00180CAD	00000000	2F000000
P11	35EE66F6	000954AB	00000005	0	0000000A	016CB576	01E7F352	00000000	2F000000
P11	6E273803	01E34FFA	0000000A	0	00000014	FE934A89	00180CAD	00000000	2F000000
P11	DA9506C4	01F6B050	00000014	0	00000028	FE934A89	00180CAD	00000000	2F000000
P11	B250A23C	001039FD	00000028	0	00000050	016CB576	01F7F352	00000000	2F000000
P11	677A0024	000AF09F	00000050	0	000000A0	016CB576	01F7F352	00000000	2F000000
P11	01CE0034	01F5E0F2	000000A6	0	00000140	FE934A89	00180CAD	00000000	2F000000
P11	A0C4287C	01F0E121	00000140	0	00000280	FE934A89	00180CAD	00000000	2F000000
P11	3EAFE000	0027009F	00000280	0	00000500	016CB576	01E7F352	00000000	2F000000
P11	80374314	001F00E2	00000500	0	00000A00	016CB576	01F7F352	00000000	2F000000
P11	034700F4	00FE2269	00000A67	0	00001400	016CB576	01E7F352	00000000	2F000000
P11	00694004	01F02876	00001400	0	00002800	FE934A89	00180CAD	00000000	2F000000
P11	0FF92F3C	00007048	00002800	0	00005000	016CB576	01E7F352	00000000	2F000000
P11	22FBC864	0118C734	0000533A	0	0000A000	FE934A89	00180CAD	00000000	2F000000
P11	42FE2B3C	0001A704	0000A675	0	00014000	016CB576	01E7F352	00000000	2F000000
P11	8AF5E6A4	01033A2C	00014CEA	0	00028000	FE934A89	00180CAD	00000000	2F000000
P11	0002025C	010689B5	00028904	0	00050000	FE934A89	00180CAD	00000000	2F000000
P11	18CA990C	010224C6	000533A8	0	000A0000	FE934A89	00180CAD	00000000	2F000000
P11	2E0BC8AC	01FA62E8	000A6750	0	00140000	FE934A89	00180CAD	00000000	2F000000
P11	5A9F266C	00040F2C	0014CEA1	0	00280000	016CB576	01F7F352	00000000	2F000000

00245

SIGMA LOGIC SIMULATION, FDL, CASE 0036									
TIME	A REGISTER	A1 REGISTER	B REGISTER	BC31	B1 REGISTER	D REGISTER	D1 REGISTER	CS REGISTER	CS1 REGISTER
P11	B815B7C4	01D9A4FC	00299D42	0	00500000	FE934A89	00180CAD	00000001	2F000000
P11	6D52049C	01E36355	00533A84	0	00A00000	FE934A89	00180CAD	00000001	2F000000
P11	D7CA9E4C	01F6E006	00A67508	0	01400000	FE934A89	00180CAD	00000001	2F000000
P11	ACBBD1AC	001DD969	014CEA11	0	00800000	016CB576	01E7F352	00000000	2F000000
P11	5C510E44	000B9977	0299D423	0	01000000	016CB576	01E7F352	00000000	2F000000
P11	BB788774	01E71992	0533A846	0	00000000	FE934A89	00180CAD	00000001	2F000000
P11	741DA3FC	01FE4C81	0A67508C	0	00000000	FE934A89	00180CAD	00000001	2F000000
P11	E561DD0C	002CB25E	14CEA119	0	00000000	016CB576	01E7F352	00000000	2F000000
P11	CD9D2504	00294B61	299D4233	0	00000000	016CB576	01E7F352	00000000	2F000000
P11	9E13B4F4	00227067	533A8467	0	00000000	016CB576	01E7F352	00000000	2F000000
P11	3F00D4D4	0014E173	A67508CF	0	00000000	016CB576	01E7F352	00000000	2F000000
P11	80DB1495	01F9A98A	4CEA119E	0	00000001	FE934A89	00180CAD	00000001	2F000000
P11	FEDCBE3E	00236C70	99D4233D	0	00000002	016CB576	01E7F352	00000000	2F000000
P11	0092E769	0016BF86	33A8467B	0	00000005	016CB576	01E7F352	00000000	2F000000
P11	03FF39BE	01FD65B0	67508CF6	0	0000000A	FE934A89	00180CAD	00000001	2F000000
P11	05250890	002AE4BC	CEA119ED	0	00000014	016CB576	01E7F352	00000000	2F000000
P11	00237C0D	0025B01C	9D4233DB	0	00000029	016CB576	01E7F352	00000000	2F000000
P11	1D206307	001B46DC	3A8467B7	0	00000053	016CB576	01E7F352	00000000	2F000000
P11	3D1A30FA	0006745C	7508CF6F	0	000000A6	016CB576	01E7F352	00000000	2F000000
P11	7D0DCCE0	01DCCF5C	EA119EDE	0	0000014C	FE934A89	00180CAD	00000001	2F000000
P11	F7422ED5	01F98814	D4233DB0	0	00000299	FE934A89	00180CAD	00000001	2F000000
P11	E8AAAF2FF	00038985	A8467B79	0	00000533	016CB576	01E7F352	00000000	2F000000
P11	DA2F506B	01D6F9AF	508CF6F2	0	00000A67	FE934A89	00180CAD	00000001	2F000000
P11	B18535EA	01DF0CBB	A119EDE4	0	000014CE	FE934A89	00180CAD	00000001	2F000000
P11	603100E9	01FC32D3	4233DB0C	0	0000299D	FE934A89	00180CAD	00000001	2F000000
P11	BD8896E6	00087F02	8467B791	0	0000533A	016CB576	01E7F352	00000000	2F000000
P11	7DEA9899	01E0E449	08CF6F22	0	0000A675	FE934A89	00180CAD	00000001	2F000000
P11	F8FBC686	01F1E2AE	119EDE44	0	00014CEA	FE934A89	00180CAD	00000001	2F000000
P11	EF1E222D	0013DFB9	233DB0C8	0	000299D4	016CB576	01E7F352	00000000	2F000000
P11	E115AF2C	01F7A417	467B7912	0	000533A8	FE934A89	00180CAD	00000001	2F000000
P11	BF51F36C	001F618B	8CF6F225	0	000A6750	016CB576	01E7F352	00000000	2F000000
P11	817051C5	000FA98B	19EDE448	0	0014CEA1	016CB576	01E7F352	00000000	2F000000
P11	05D40F76	01ED341B	33DB0C89	0	00299D42	FE934A89	00180CAD	00000001	2F000000
P12	6797912D	00533A84	33DB0C89	0	00299D42	00000000	00000000	FFFFFFFF	2FFFFFFFF

00246

SIGMA LOGIC SIMULATION, FDL, CASE 0036									
TIME	A REGISTER	A1 REGISTER	B REGISTER	BC31	B1 REGISTER	D REGISTER	D1 REGISTER	CS REGISTER	CS1 REGISTER
P13	6F533A84	00533A84	33DB0C89	0	00299D42	00000000	00000000	00000000	2F000000
P15	6F533A84	00533A84	33DB0C89	0	00299D42	00000000	00000000	00000000	00000000

00247

SIGMA LOGIC SIMULATION, FDL, CASE 0037									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	D7FDB531	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	D7FDB531	00000000	D7FDB531	0	00000000	00000000	00000000	FF000000	00000000
P02	28000000	01FDB531	28FDB531	0	00000000	E3F76489	01F76489	01000000	00000000
P03	37560162	01FDB531	28FDB531	0	01FDB531	00000000	00000000	FFFFFFF	0FFFFFFF
P04	8A9FE9E0	0024ACEC	00000000	0	00000000	50B1EAB9	00089B76	00000000	0B000000
P05	8A9FE9E0	0024ACEC	8A9FE9E0	0	0024ACEC	50B1EAB9	00089B76	00000000	0B000000
P06	0B1EAB90	0089B765	8A9FE9E0	0	0024ACEC	50B1EAB9	00089B76	00000000	0C000000
P07	0B1EAB90	0089B765	8A9FE9E0	0	0024ACEC	50B1EAB9	00089B76	00000000	0C000000
P08	8A9FE9E0	0024ACEC	00000000	0	00000000	F4E1546F	0176489A	00000001	0C000000
P09	153FD3C0	004959D9	00000000	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	14425060	017F44E8	00000000	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	3E01F7F0	0011F89A	00000001	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	674698AC	0110826A	00000002	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	E4C88860	0134739E	00000004	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	D0267E00	017C5407	00000008	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	D5E226E0	000C1AD9	00000011	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	9586F6A0	0104C6E9	00000022	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	414B4460	011CFC9D	00000044	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	9803DFE0	014D6804	00000088	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	47E516E0	01AE3FD3	00000110	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	A60784E0	006FE070	00000221	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	3501B2A0	01CC6A17	00000442	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	81E0B060	00AC42F8	00000885	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	ED8421A0	00451726	0000110B	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	C4C8C020	0176BF83	00002216	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	9FD32F60	000CF0D1	0000442D	0	00000000	F4E1546F	0176489A	00000001	0C000000

00248

SIGMA LOGIC SIMULATION, FDL, CASE 0037									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	296007A0	001F60D9	0000885A	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	693F66AC	00F0437C	00011004	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	F85C23E0	00F3FE02	00022168	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	E6F59EE0	00F3AF4F	00044220	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	F42B9440	010A4869	000885AC	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	0F8E80C0	0129059D	00110B40	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	D35A53E0	01637105	00221680	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	UCF708E0	010A62D5	00442000	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	9C2168F0	00C43475	00885A01	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	0A057AA0	0070FA21	0110B403	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	F0C04FF0	01F68577	002216876	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	11089360	00F0738A	04420000	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	0D73CFA0	00AD84AA	0885A11B	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	04AA4820	0047948A	110B4037	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	F3173920	0178CA49	2216806E	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	FC68C860	00CAF85D	44200000	0	00000000	F4E1546F	0176489A	00000001	0C000000
P11	E29A33A0	010287F1	885A018A	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	D871C661	01187EAD	10840374	0	00000001	0B1EAB90	0089B765	00000000	0C000000
P11	0C00F3F2	01446025	216806E8	0	00000000	0B1EAB90	0089B765	00000000	0C000000
P11	807F3FF4	018C4715	42000000	0	00000004	0B1EAB90	0089B765	00000000	0C000000
P11	773804E8	0048F0F5	85A018A1	0	00000008	F4E1546F	0176489A	00000001	0C000000
P11	D83A52E1	01848020	00403742	0	00000011	0B1EAB90	0089B765	00000000	0C000000
P11	061F0C20	001C850C	168C6E8F	0	00000022	F4E1546F	0176489A	00000001	0C000000
P11	7726A1F4	0125984D	20000000	0	00000044	0B1EAB90	0089B765	00000000	0C000000
P11	048A9AF4	015FA565	5AC18A14	0	00000088	0B1EAB90	0089B765	00000000	0C000000
P11	1F5280C0	010C8994	84C3742F	0	00000110	0B1EAB90	0089B765	00000000	0C000000
P11	54F27101	0084E1F2	6806E851	0	00000221	F4E1546F	0176489A	00000001	0C000000
P11	93378AF2	0056551A	00C00CA3	0	00000442	F4E1546F	0176489A	00000001	0C000000
P11	10D1BEE5	0199386B	A018A146	0	00000885	0B1EAB90	0089B765	00000000	0C000000
P11	37F00469	0045E5A0	4037428D	0	0000110B	F4E1546F	0176489A	00000001	0C000000
P11	594451F6	01785076	306E851A	0	00002216	0B1EAB90	0089B765	00000000	0C000000
P11	0945FA40	0004E786	0000CA35	0	0000442D	F4E1546F	0176489A	00000001	0C000000
P11	7C4E90F4	00F40CA3	018A146A	0	0000885A	0B1EAB90	0089B765	00000000	0C000000
P11	0EDA931A	00F03011	03742834	0	0000110B	0B1EAB90	0089B765	00000000	0C000000
P11	33F27748	0100CFEC	06F851A8	0	00002216	0B1EAB90	0089B765	00000000	0C000000

00249

SIGMA LOGIC SIMULATION, FDL, CASE 0037									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	7E225180	012FOCA2	0DD0A350	0	000442D0	0B1EAB9C	0089B765	00000000	0C000000
P11	1281FA80	0171880F	18A146A0	0	0C0885A0	0B1EAB90	0089B765	00000000	0C000000
P11	3B414C20	01F67EE8	37428D40	0	00110B40	0B1EAB90	0089B765	00000000	0C000000
P11	8CBFEF60	01006C9A	6E851A81	0	00221680	F4E1546F	0176489A	00000001	0C000000
P12	DD0A3503	00442D00	6E851A81	0	00221680	00000000	00000000	FFFFFFF	0CFFFFFF
P13	4CBBD2FF	018BD2FF	6E851A81	0	00221680	00000000	00000000	FF000000	0C000000
P15	B38BD2FF	018BD2FF	6E851A81	0	00221680	00000000	00000000	00000000	00000000

00250

SIGMA LOGIC SIMULATION, FDL, CASE 0038									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	B2C379D5	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PC1	B2C379D5	00000000	32C379D5	0	00000000	00000000	00000000	FF000000	00000000
PC2	40000000	01C379D5	40C379D5	0	00000000	DB73C5E0	0173C5E0	01000000	00000000
PC3	AEC68424	01C379D5	40C379D5	0	01C379D5	00000000	00000000	FFFFFFF	29FFFFFF
PC4	51397500	003C862A	00000000	0	00000000	E8C35D23	0173C5E0	00000001	29000000
PC9	A272F788	00790C54	00000000	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	166CA938	0109A468	00000000	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	58529928	00C8B714	00000001	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	882BEC98	007F05FA	00000003	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	E10E9378	01E59796	00000006	0	00000000	173CA2DC	008C3A1F	00000001	29000000
P11	F2366CA8	00E3A368	00000000	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	B5F39398	00AFD299	00000016	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	305DE178	004530F5	00000037	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	4C627D38	0171E7AC	0000006E	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	C73E4328	01FC4E96	000000DC	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	BCF5CA08	01111368	00000189	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	4B724658	0109B299	00000373	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	68684658	00FAF2F4	000006E7	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	A25D4388	00D60AA	000000CF	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	16414438	00A26717	0000189F	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	FE094F88	002059EF	0000373F	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	C0965938	01403FA1	00006E7E	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	C9ABF928	0189F381	00000CFC	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	C1F13328	004A5941	0001E9F9	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	55292A58	017C2445	000373F2	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	DXCR9468	0010F8C8	0006F7E5	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	8310EF18	01097553	0000CFC A	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	348523F8	01286FE5	001B9F94	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	97E38D88	016F5208	00373F28	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	5E4060C8	01F7184F	006E7E50	0	00000000	173CA2DC	008C3A1F	00000000	29000000

00251

SIGMA LOGIC SIMULATION, FDL, CASE 0038									
TIME	A REGISTER	A1 REGISTER	B REGISTER	BC31	B1 REGISTER	D REGISTER	D1 REGISTER	CS REGISTER	CS1 REGISTER
P11	EAF0748	0106A4DC	00DCFA1	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	A77AC8D8	00F4D57B	01B9F943	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	207C4BF8	00D136B9	0373F287	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	127F5238	0089F934	06E7E50F	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	F6855E88	01FB7E29	00CFCA1E	0	00000000	173CA2DC	008C3A1F	00000000	29000000
P11	18A40328	010F7092	1B9F943D	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	08RECC98	01066CE6	373F287B	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	E2A43B78	00F4658D	6E7E50F7	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	96CF3138	00D056DD	DCFA1EF	0	00000000	E8C35D23	0173C5E0	00000001	29000000
P11	FF251CB9	0088397C	89F943DF	0	00000001	E8C35D23	0173C5E0	00000001	29000000
P11	CFD0F3BB	01F7FE8B	73F287BE	0	00000003	173CA2DC	008C3A1F	00000000	29000000
P11	CE1B202E	010R71B5	E7E50F7D	0	00000006	E8C35D23	0173C5E0	00000001	29000000
P11	60BD14A5	00F86F2D	CFCA1EFB	0	0000000D	E8C35D23	0173C5E0	00000001	29000000
P11	A000E393	00D86A1C	9F943DF7	0	0000001B	E8C35D23	0173C5E0	00000001	29000000
P11	2888816F	00985FFB	3F287BEF	0	00000037	E8C35D23	0173C5E0	00000001	29000000
P11	2897BC26	001848B8	7E50F7DF	0	0000006E	E8C35D23	0173C5E0	00000001	29000000
P11	22R63424	011R2332	FCA1EFBE	0	000000DC	173CA2DC	008C3A1F	00000000	29000000
P11	73F5A5F1	0148BAA2	F943DF7C	0	000001B9	173CA2DC	008C3A1F	00000000	29000000
P11	1644A378	01A9E983	F287BEF8	0	00000373	173CA2DC	008C3A1F	00000000	29000000
P11	5B028CAF	00AC4744	E50F7DF1	0	000006E7	E8C35D23	0173C5E0	00000001	29000000
P11	878BD3A7	01C01A4A	CA1EFBE2	0	000000CF	173CA2DC	008C3A1F	00000000	29000000
P11	3D90E0D7	0098A8D3	943DF7C5	0	0000189F	E8C35D23	0173C5E0	00000001	29000000
P11	4CA89457	0018D068	287BEF8B	0	0000373F	E8C35D23	0173C5E0	00000001	29000000
P11	6AD7E2F6	01104492	50F7DF16	0	00006E7E	173CA2DC	008C3A1F	00000000	29000000
P11	042903A4	0148C163	41FFBE2C	0	0000DCFC	173CA2DC	008C3A1F	00000000	29000000
P11	36CB5DC1	01AF7704	43DF7C58	0	0001B9F9	173CA2DC	008C3A1F	00000000	29000000
P11	9C7FFFB8	00756246	87BEF881	0	002373F2	E8C35D23	0173C5E0	00000001	29000000
P11	09A6E08D	01D2504F	0F7DF162	0	0026E7E5	173CA2DC	008C3A1F	00000000	29000000
P11	41680322	00B014DC	1EFBE2C5	0	002DCFA	E8C35D23	0173C5E0	00000001	29000000
P11	55142CAC	0061857A	3DF7C58B	0	00189F94	E8C35D23	0173C5E0	00000001	29000000
P11	7PAF13A0	01AAF686	7BEF8B16	0	00373F28	173CA2DC	008C3A1F	00000000	29000000
P12	F7AF162D	006F7F5D	7BEF8B16	0	00373F28	00000000	00000000	FFFFFFFF	29FFFFFF
P13	699181AF	019181AF	7BEF8B16	0	00373F28	00000000	00000000	FFFFFFFF	29000000

00252

SIGMA LOGIC SIMULATION, FDL, CASE 0038									
TIME	A REGISTER	A1 REGISTER	B REGISTER	BC31	B1 REGISTER	D REGISTER	D1 REGISTER	CS REGISTER	CS1 REGISTER
P15	969181AF	019181AF	7BEF8B16	0	00373F28	00000000	00000000	00000001	00000000

00253

SIGMA LOGIC SIMULATION, FDL, CASE 0039									
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER
PPR	9FA3E574	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	9FA3E574	00000000	9FA3E574	0	00000000	00000000	00000000	FF000000	00000000
P02	60000000	01A3E574	60A3E574	0	00000000	A4E4983D	01E4983D	01000000	00000000
P03	239CD278	01A3E574	60A3E574	0	01A3E574	00000000	00000000	FFFFFFF	05FFFFFF
P04	DC632D88	005C1A8B	00000000	0	00000000	42A8C0E2	01E4983D	00000001	05000000
P09	B8C65B10	00R83517	00000000	0	00000000	42A8C0E2	01F4983D	00000001	05000000
P10	7B8C65B1	000B8351	00000000	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	7C6A4028	01E0371D	00000000	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	7383188A	01F730C0	00000000	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	6184AF4E	00254B06	00000001	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	48BAE062	0013C687	00000000	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	16C7428A	01FCB089	00000006	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	A83D034E	00184A97	00000000	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	D5C88862	01F9C5A9	0000001A	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	264588FE	002A5AD9	00000035	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	D1DC9FC2	001DE62C	0000006B	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	28 4A	0004FD4	00000007	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	D7 45A	01D32A22	000001AE	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	297C86FE	01DD23CB	0000035C	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	CD478C16	01F1171B	000006B8	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	15F99666	0018F0BD	00000D71	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	B14CAF92	01F82BF4	00001AE2	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	DD47D35E	0020276E	000035C5	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	3FE13682	00237F58	00006B88	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	0513F2CA	00102F2B	0000D717	0	00000000	42A8C0E2	01E4983D	00000000	06000000
P11	8F79675A	01E98FD0	0001AE2E	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	99A14CEE	0009E026	00035C5D	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	B89415A2	01D00AC7	0006B88A	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	EB06857E	01F0E514	000D7174	0	00000000	BD573F1D	001B67C2	00000000	06000000

00254

SIGMA LOGIC SIMULATION, FDL, CASE 0039									
TIME	A REGISTER	A' REGISTER	B REGISTER	BC31	B' REGISTER	D REGISTER	D' REGISTER	CS REGISTER	CS' REGISTER
P11	525B1036	001899AF	001AE2E9	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	2AC95432	01FA6309	0025C5D2	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	CCC12695	002B9737	006B8BA5	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	2203CF02	00205FEA	00D71748	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	CAF91FCA	0009EF4E	01AE2E97	0	00000000	42A8C0E2	01F4983D	00000001	06000000
P11	1843C15A	01E00018	0035C5D2	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	B13603FE	01F0E9B5	06B8BA5C	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	DD1A8016	0018A2F0	00717489	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	3F8A8152	01FA765C	1AE2E972	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	F9B8821E	002B8C5D	35C5D2E5	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	78C88002	0020A8FA	638BA5C8	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	76F280CA	000A8267	07174897	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	7316915B	01DE3549	AE2E972E	0	00000001	BD573F1D	001B67C2	00000000	06000000
P11	600B88F1	01F33A18	5C5D2E5C	0	00000000	BD573F1D	001B67C2	00000000	06000000
P11	3C65F01C	001043E6	B8BA5C89	0	00000006	42A8C0E2	01E4983D	00000001	06000000
P11	FE1061FF	000867E6	71748973	0	00000000	42A8C0E2	01E4983D	00000001	06000000
P11	818C45C4	01DCA048	E2E972E6	0	0000001A	BD573F1D	001B67C2	00000000	06000000
P11	70C709C3	01F7A016	C5D2E5CC	0	00000035	BD573F1D	001B67C2	00000000	06000000
P11	763C91C1	01E6E5B2	8BA5C898	0	0000006B	BD573F1D	001B67C2	00000000	06000000
P11	6727A18D	0004A5EA	17489731	0	00000007	42A8C0E2	01E4983D	00000001	06000000
P11	53ACC540	0102854F	2E972E62	0	000001AE	BD573F1D	001B67C2	00000000	06000000
P11	21F0088A	010FF024	52E5CC4	0	0000035C	BD573F1D	001B67C2	00000000	06000000
P11	8E9F80AF	01E7A7C0	B45C898A	0	000006B8	BD573F1D	001B67C2	00000000	06000000
P11	F7089007	0014102D	74897311	0	00000571	42A8C0E2	01F4983D	00000001	06000000
P11	74F880F4	01F16F8C	E972E622	0	00001AE2	BD573F1D	001B67C2	00000000	06000000
P11	647FF823	0019ACFE	D2E5CC45	0	000035C5	42A8C0E2	01E4983D	00000001	06000000
P11	4E317200	01FC8A77	8C8988A	0	00006B88	BD573F1D	001B67C2	00000000	06000000
P11	17516255	002FF474	48973115	0	0000D717	42A8C0E2	01E4983D	00000001	06000000
P11	B3F44670	0028F962	072E622B	0	00000571	42A8C0E2	01F4983D	00000001	06000000
P11	ED3ACEA7	001B233F	2E5CC457	0	000035C5	42A8C0E2	01E4983D	00000001	06000000
P11	5FC59F14	01FF76FA	5C8988AE	0	00006B8A	BD573F1D	001B67C2	00000000	06000000
P11	3A39BC62	0035B07A	B973115D	0	00007174	42A8C0E2	01F4983D	00000001	06000000
P11	F9C4FA88	0034A04E	72E6228B	0	001AE2E9	42A8C0E2	01F4983D	00000001	06000000
P12	E5CC4577	0035C5D2	72E6228B	0	001AE2E9	00000000	00000000	FFFFFFF	C6FFFFFF

00255

SIGMA LOGIC SIMULATION, FDL, CASE 0039

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P13	46CA3A2D	01CA3A2D	72E622BB	0	001AE2E9	00000000	00000000	FF000000	06000000
P15	B9CA3A2D	01CA3A2D	72E622BB	0	001AE2E9	00000000	00000000	00000000	00000000

00256

SIGMA LOGIC SIMULATION, FDL, CASE 0040

TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	C3DC27A1	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	C3DC27A1	00000000	C3DC27A1	0	00000000	00000000	00000000	FF000000	00000000
P02	3C0C0000	01DC27A1	3C0C27A1	0	00000000	FC18A432	0118A432	01000000	00000000
P03	462C459A	01DC27A1	3C0C27A1	0	01DC27A1	00000000	00000000	FFFFFFF	39FFFFFF
P04	8923E17A	0023085F	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P09	73A762FC	0047B0BD	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	C630DF0C	0000A9FC	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	AD7FA548	01500958	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	7C103158	006FCF51	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	97107048	010FE508	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	CF56DF58	01FCR1A8	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	BF0A4458	01A78AF1	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	5E796368	01800F49	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	9B04E0C8	0132C4F8	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	1648B888	00940957	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	08F9D108	015FF014	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	39118818	008C9102	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	51052728	014A68EA	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	03283158	00638F6E	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	65328F48	00F86743	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	E83C3B58	018FF620	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	F823EC48	014DC30B	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	CF29F368	00CC001D	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	7D3600C8	01CAF8A1	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	1B89E798	016488DD	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	15F5E928	00FA5A20	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	CAC0EC48	0025F0A6	00000000	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	F470F288	007D4161	00000000	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	CA19CB18	00C934FE	0013D4DC	0	00000000	108FF303	00E75BCD	00000000	39000000
P11	35517C38	01612096	0027A9BF	0	00000000	108FF303	00E75BCD	00000000	39000000

00257

SIGMA LOGIC SIMULATION, FDL, CASE 0040									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	8BC0DE78	009112C6	004F5371	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	F663D6E8	015360F2	009EA6E2	0	00000000	108EF303	00E75BCD	00000001	39000000
P11	00E593DA	00759380	013D4DC5	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	FAAD41A8	011C6F65	027A9B8A	0	00000000	108EF303	00E75BCD	00000001	39000000
P11	16786958	00079666	04F53715	0	00000000	EF710CFC	0118A432	00000000	39000000
P11	08D2ECA8	00407532	09EA6E2A	0	00000000	108EF303	00E75BCD	00000001	39000000
P11	38C3BF58	004FA1FE	13D4DC54	0	00000000	108EF303	00E75BCD	00000001	39000000
P11	92A564B8	0060FB96	27A9B8A8	0	00000000	108EF303	00E75BCD	00000001	39000000
P11	4668AF78	00AAAEC7	4F537150	0	00000000	108EF303	00E75BCD	00000001	39000000
P11	ADEF44FF	01241528	9EA6E2A0	0	00000000	108EF303	00E75BCD	00000001	39000000
P11	7CFC6FF9	0016F1EB	3D4DC541	0	00000001	EF710CFC	0118A432	00000000	39000000
P11	DRDAF9EA	005F0C3C	7A9B8A82	0	00000002	108EF303	00E75BCD	00000001	39000000
P11	D203D9DC	008CD013	F5371504	0	00000004	108EF303	00E75BCD	00000001	39000000
P11	C6C599C1	00E857C1	EA6E2A08	0	00000009	108EF303	00E75BCD	00000001	39000000
P11	AEA9198R	019F671D	D4DC5410	0	00000013	108EF303	00E75BCD	00000001	39000000
P11	7E70191F	010D85D5	A9B8A821	0	00000027	EF710CFC	0118A432	00000000	39000000
P11	D8224C37	004C5410	53715043	0	0000004F	EF710CFC	0118A432	00000000	39000000
P11	9666B266	00C9F087	A6E2A086	0	0000009E	108EF303	00E75BCD	00000001	39000000
P11	4DEB4AD5	016298A9	4DC5410C	0	0000013D	108EF303	00E75BCD	00000001	39000000
P11	BCF47BB2	0093E8EC	9B8A8219	0	0000027A	EF710CFC	0118A432	00000000	39000000
P11	58CB115D	01591A3F	37150432	0	000004F5	108EF303	00E75BCD	00000001	39000000
P11	D2R408C2	0080EC18	6E2A0865	0	000009EA	EF710CFC	0118A432	00000000	39000000
P11	844A2B7C	01332097	DC5410CA	0	000013D4	108EF303	00E75BCD	00000001	39000000
P11	29R23D01	0034F8C9	B8A82195	0	000027A9	EF710CFC	0118A432	00000000	39000000
P11	324693FB	009R39F8	7150432A	0	00004F53	108EF303	00E75BCD	00000001	39000000
P11	85AB0DFE	01052R8A	E2A08654	0	00009EA6	108EF303	00E75BCD	00000001	39000000
P11	2C740205	01D90FAF	C5410CA8	0	00013D4D	108EF303	00E75BCD	00000001	39000000
P11	7A05EA13	0180D4F8	8A821951	0	00027A9B	EF710CFC	0118A432	00000000	39000000
P11	D2FDEE1F	0132F256	15C432A3	0	0004F537	EF710CFC	0118A432	00000000	39000000
P11	84RDF636	00972013	2A086547	0	0009EA6E	EF710CFC	0118A432	00000000	39000000
P11	E85E0664	015FA28C	5410CA8E	0	0013D4DC	108EF303	00E75BCD	00000001	39000000
P12	A821951D	0027A9B8	5410CA8E	0	0013D4DC	00000000	00000000	FFFFFFFF	39FFFFFF
P13	7927A9B8	0027A9B8	5410CA8E	0	0013D4DC	00000000	00000000	00000000	39000000

00258

SIGMA LOGIC SIMULATION, FDL, CASE 0040									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P15	7927A9B8	0027A9B8	5410CA8E	0	0013D4DC	00000000	00000000	00000000	00000000

00259

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0001								
	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	2B5FA631	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	2B5FA631	00000000	2B5FA631	0	00000000	00000000	00000000	FF000000	00000000
P02	2B000000	005FA631	2B5FA631	0	00000000	E255639D	0155639D	01000000	00000000
P03	00000000	005FA631	2B5FA631	0	005FA631	00000000	00000000	00000000	0E000000
P04	00000000	005FA631	00000000	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P09	00000000	00BF4C62	00000000	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	00296700	00000001	0	00000000	FFFFFFFF	0155639D	00000001	0F000000
P11	00000000	00F873C	00000002	0	00000000	00000000	00000000	00000000	0E000000
P11	00000000	0150473C	00000004	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	01F5C73C	00000008	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	0140C73C	00000011	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	012C55B4	00000023	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	010372A4	00000047	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	00B1AC84	0000008F	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	000F2044	0000011F	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	00C707C4	0000023E	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	00E3484C	0000047C	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	011FC95C	000008F8	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	018CC97C	000011F0	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	006ECF9C	000023E1	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	018866B4	000047C2	0	00000000	00000000	00AA9C62	00000000	0F000000
P11	00000000	0066062C	00008F85	0	00000000	FFFFFFFF	0155639D	00000001	0F000000
P11	00000000	0176D394	00011F0A	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	0042DFFC	00023E15	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	013A8714	00047C2A	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	01B646EC	0008F854	0	00000000	00000000	00AA9C62	00000000	0E000000
P11	00000000	00C1C69C	0011F0A9	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	002F5474	0023E153	0	00000000	FFFFFFFF	0155639D	00000001	0E000000
P11	00000000	01077024	0047C2A6	0	00000000	00000000	00AA9C62	00000000	0E000000

00260

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0001								
	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P12	008FA54C	00000000	0047C2A6	0	00000000	00000000	00000000	FFFFFFFF	0EFFFFFF
P13	4E8FA54C	00000000	0047C2A6	0	00000000	00000000	00000000	00000000	0E000000
P15	4E8FA54C	00000000	0047C2A6	0	00000000	00000000	00000000	00000000	0E000000

00261

SIGMA LOGIC SIMULATION, FDS, CASE 0002

TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
PPR	4C008B51	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	4C008B51	00000000	4C008B51	0	00000000	00000000	00000000	FF000000	00000000
P02	4C000000	00008B51	4C008B51	0	00000000	C4FF85BF	01FF85BF	01000000	00000000
P03	00000000	00008B51	4C008B51	0	00008B51	00000000	00000000	00000000	11000000
P04	00000000	00008B51	00000000	0	00000000	00000000	00007A40	00000000	10000000
P05	00000000	008B5100	00000000	0	00000000	00000000	00007A40	00000000	0F000000
P05	00000000	008B5100	00000000	0	008B5100	00000000	00007A40	00000000	0F000000
P06	00000000	0007A400	00000000	0	008B5100	00000000	00007A40	00000000	10000000
P07	00000000	007A4000	00000000	0	008B5100	00000000	00007A40	00000000	11000000
P07	00000000	007A4000	00000000	0	008B5100	00000000	00007A40	00000000	11000000
P08	00000000	008B5100	00000000	0	00000000	FFFFFFFF	0185BFFF	00000001	11000000
P09	00000000	0116A200	00000000	0	00000000	FFFFFFFF	0185BFFF	00000001	11000000
P10	00000000	00116A20	00000000	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	012E5440	00000000	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	01512880	00000000	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	0196D100	00000000	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	00222200	00000000	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	014FC400	00000002	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	01940800	00000004	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	001C9000	00000009	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	0144A000	00000012	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	0170C000	00000024	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	01F00000	00000048	0	00000000	00000000	007A4000	00000000	12000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0002

TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CS'REGISTER
P11	00000000	00048000	00000091	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	00R48000	00000123	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	00748000	00000247	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	01F48000	0000048E	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	00008000	00000910	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	00068000	0000123B	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	002R8000	00002477	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	00308000	000048EF	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	01848000	0000910E	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	01F08000	000123BC	0	00000000	00000000	007A4000	00000000	12000000
P11	00000000	00EF8000	00024779	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	00E48000	00048FF3	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P11	00000000	00E08000	000910E7	0	00000000	FFFFFFFF	0185BFFF	00000001	12000000
P12	00123BCF	00000000	000910E7	0	00000000	00000000	00000000	FFFFFFFF	12FFFFFF
P13	52123BCF	00000000	000910E7	0	00000000	00000000	00000000	00000000	12000000
P15	52123BCF	00000000	000910E7	0	00000000	00000000	00000000	00000000	00000000

00263

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0003								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	6E0000D7	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	6E0000D7	00000000	6E0000D7	0	00000000	00000000	00000000	FF000000	00000000
P02	6E000000	000000D7	6E0000D7	0	00000000	99FFFF6C	01FFFF6C	01000000	00000000
P03	00000000	000000D7	6E0000D7	0	000000D7	00000000	00000000	00000000	08000000
P04	00000000	00000070	00000000	0	00000000	00000000	01FFFF6C	00000000	07000000
P05	00000000	0000D700	00000000	0	00000000	00000000	01FFFF6C	00000000	06000000
P05	00000000	00007000	00000000	0	00000000	00000000	01FFFF6C	00000000	05000000
P05	00000000	00D70000	00000000	0	00000000	00000000	01FFFF6C	00000000	04000000
P05	00000000	00D70000	00000000	0	00D70000	00000000	01FFFF6C	00000000	04000000
P06	00000000	01FFFF6C	00000000	0	00D70000	00000000	01FFFF6C	00000000	05000000
P07	00000000	01FF6C00	00000000	0	00D70000	00000000	01FFFF6C	00000000	06000000
P07	00000000	01F6C000	00000000	0	00D70000	00000000	01FFFF6C	00000000	07000000
P07	00000000	016C0000	00000000	0	00D70000	00000000	01FFFF6C	00000000	08000000
P07	00000000	016C0000	00000000	0	00D70000	00000000	01FFFF6C	00000000	08000000
P08	00000000	00D70000	00000000	0	00000000	00000000	016C0000	00000000	08C00000
P09	00000000	01AE0000	00000000	0	00000000	00000000	016C0000	00000000	08000000
P10	00000000	001AE000	00000000	0	00000000	00000000	016C0000	00000000	09000000
P11	00000000	01000000	00000000	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	01438000	00000000	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000

00264

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0003								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	00000000	01AE0000	00000000	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	00E60000	00000001	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	01E40000	00000002	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	00F00000	00000005	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	00E80000	00000008	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	00480000	00000017	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	01680000	0000002E	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	01E80000	0000003C	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	01180000	00000049	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	01080000	00000073	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	00F80000	000000F7	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	00A80000	0000005F	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	00280000	0000009F	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	01280000	0000173E	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	01780000	00002F7C	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	00180000	00005CF9	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	01080000	0000B9E2	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	01380000	000173E4	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	01280000	0002E7C8	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P11	00000000	00580000	0005CF91	0	00000000	00000000	016C0000	00000001	09000000
P11	00000000	01880000	00089F22	0	00000000	FFFFFFFF	0093FFFF	00000001	09000000
P12	00173E45	00000000	00089F22	0	00000000	00000000	00000000	FFFFFFFF	09FFFFFF
P13	40E8C1B3	01FFFFFF	00089F22	0	00000000	00000000	00000000	FF000000	09000000
P15	66E8C1B3	01FFFFFF	00089F22	0	00000000	00000000	00000000	00000000	00000000

00265

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0004								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	F1324034	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PO1	F1324034	00000000	F1324034	0	00000000	00000000	00000000	FF000000	00000000
PO2	0E000000	01324034	0E324034	0	00000000	E48DDF82	018DDF82	01000000	00000000
PO3	00000000	01324034	0E324034	0	01324034	00000000	00000000	FFFFFFF	F3FFFFFF
PO4	00000000	00C0BFCC	00000000	0	00000000	00000000	018DDF82	00000000	F3000000
PO9	00000000	019B7F98	00000000	0	00000000	00000000	018DDF82	00000000	F3000000
P10	80000000	0019B7F9	00000000	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	014F2EF7	00000000	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	01A29FEA	00000000	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	01E97ED0	00000000	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	00B73E9C	00000001	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	008A3C3C	00000003	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	0030377C	00000007	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	017C20FC	0000000E	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	010C9CF4	0000001C	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	009D7AE4	00000039	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	0056B4CC	00000073	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	01C9289C	000000E6	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	00769234	000001CD	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	0008E36C	0000039B	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	012085DC	00000736	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	013F4CB4	00000E6C	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	0162DA64	00001CDA	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	01A9F5C4	000039B0	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	00382C84	00007361	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	018C180C	0000E6C2	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	01FC7114	0001CD84	0	00000000	FFFFFFF	0072207D	00000001	F4000000
P11	00000000	00D02324	00039B09	0	00000000	00000000	018DDF82	00000000	F4000000
P11	00000000	00D6054C	00073613	0	00000000	00000000	018DDF82	00000000	F4000000

00266

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0004								
	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	00000000	0007C99C	000E6C27	0	00000000	00000000	018DDF82	00000000	F4000000
P12	001CD84F	00000000	000E6C27	0	00000000	00000000	00000000	FFFFFFF	F4FFFFFF
P13	341CD84F	00000000	000E6C27	0	00000000	00000000	00000000	00000000	F4000000
P15	341CD84F	00000000	000E6C27	0	00000000	00000000	00000000	00000000	00000000

00267

SIGMA LOGIC SIMULATION, PDS, CASE 0005									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	136AF5B2	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	136AF5B2	00000000	136AF5B2	0	00000000	00000000	00000000	FF000000	00000000
P02	13000000	006AF5B2	136AF5B2	0	00000000	F3078058	01078058	01000000	00000000
P03	00000000	006AF5B2	136AF5B2	0	006AF5B2	00000000	00000000	00000000	07000000
P04	00000000	006AF5B2	00000000	0	00000000	00000000	01078058	00000000	07000000
P09	00000000	00D5EB64	00000000	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	01BAD778	00000000	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	0166AE40	00000001	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	00DC5D30	00000003	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	01C7BB10	00000006	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	01807570	00000000	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	010FEB90	0000001B	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	002FD7D0	00000037	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	006CB050	0000006F	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	00CA5FF0	000000DC	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	0185BF30	000001B8	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	00FC7D80	00000371	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	0007FC10	000006E3	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	001FF8D0	00000DC6	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	002FF0F0	00001B8C	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	004FE130	00003718	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	008FC1B0	00006E30	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	010E82B0	0000DC60	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	000F04B0	0001B8C1	0	00000000	00000000	01078058	00000000	07000000
P11	00000000	002B0A10	00037182	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	00471370	0006E304	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	007F2630	000DC608	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	00EF48B0	001B8C10	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000
P11	00000000	01CF96B0	00371820	0	00000000	FFFFFFFF	00F87FA7	00000001	07000000

00268

SIGMA LOGIC SIMULATION, PDS, CASE 0005									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P12	006F3041	00000000	00371820	0	00000000	00000000	00000000	FFFFFFFF	07FFFFFF
P13	4791CFBF	01FFFFFF	00371820	0	00000000	00000000	00000000	FF000000	07000000
P15	8891CFBF	01FFFFFF	00371820	0	00000000	00000000	00000000	00000000	00000000

00269

SIGMA LOGIC SIMULATION, FDS, CASE 0006									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	15B897C4	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	15B897C4	00000000	15B897C4	0	00000000	00000000	00000000	FF000000	00000000
P02	15000000	00B897C4	15B897C4	0	00000000	FB58994C	0158994C	01000000	00000000
P03	00000000	00B897C4	15B897C4	0	00B897C4	00000000	00000000	00000000	11000000
P04	00000000	00B897C4	00000000	0	00000000	FFFFFFFF	0158994C	00000001	11000000
P09	00000000	01712F88	00000000	0	00000000	FFFFFFFF	0158994C	00000001	11000000
P10	80000000	001712F8	00000000	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	00DF588B	00000000	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	01C07E7C	00000000	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	0169CA5E	00000000	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	00226222	00000001	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	00F5F6DE	00000002	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	013ABB22	00000004	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	01C443AA	00000008	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	00D754BA	00000011	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	005FDC0E	00000023	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	0170EAB6	00000046	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	003CA2D2	0000008D	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	0112783E	0000011A	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	017380E2	00000234	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	0036492A	00000469	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	0110C4EE	000008D2	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	018A5742	000011A4	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	00637BF A	00002349	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	01782A6E	00004692	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	003F2242	00008D25	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P11	00000000	012F771E	00011A4A	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	01A0B9A2	00023494	0	00000000	00000000	00A766B3	00000000	12000000
P11	00000000	00AA44AA	00046929	0	00000000	FFFFFFFF	0158994C	00000001	12000000

00270

SIGMA LOGIC SIMULATION, FDS, CASE 0006									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	00000000	0005B8EE	0008D253	0	00000000	FFFFFFFF	0158994C	00000001	12000000
P12	0011A4A6	00000000	0008D253	0	00000000	00000000	00000000	FFFFFFFF	12FFFFFF
P13	5211A4A6	00000000	0008D253	0	00000000	00000000	00000000	00000000	12000000
P15	5211A4A6	00000000	0008D253	0	00000000	00000000	00000000	00000000	00000000

00271

SIGMA LOGIC SIMULATION, FDS, CASE 0007									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P00	37DA99E6	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	37DA99E6	00000000	37DA99E6	0	00000000	00000000	00000000	FF000000	00000000
P02	37000000	00DA99E6	37DA99E6	0	00000000	A5F239E6	01F239E6	01000000	00000000
P03	00000000	00DA99E6	37DA99E6	0	00DA99E6	00000000	00000000	00000000	00000000
P04	00000000	00DA99E6	00000000	0	00DA99E6	00000000	000DC619	00000000	00000000
P06	00000000	00DC6190	00000000	0	00DA99E6	00000000	000DC619	00000000	DE000000
P07	00000000	00DC6190	00000000	0	00DA99E6	00000000	000DC619	00000000	DE000000
P08	00000000	00DA99E6	00000000	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P09	00000000	01B533CC	00000000	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	01B1A478	00000001	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	01AA85D0	00000003	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	019C4880	00000007	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	017FC0E0	0000000F	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	014608A0	0000001F	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	00D4EE20	0000003F	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	01F11920	0000007E	0	00000000	00000000	00DC6190	00000001	DE000000
P11	00000000	019AF560	000000FD	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	017D27A0	000001F8	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	01418C20	000003F7	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	00CA5520	000007EF	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	01DBE720	00000FDF	0	00000000	00000000	00DC6190	00000001	DE000000
P11	00000000	01709160	00001FBD	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	01285FA0	00003F7B	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	0097FC20	00007EF7	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	01773520	0000CFDE	0	00000000	00000000	00DC6190	00000001	DE000000
P11	00000000	00A72060	0001FBDD	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	019597A0	0003F7BA	0	00000000	00000000	00DC6190	00000001	DE000000

00272

SIGMA LOGIC SIMULATION, FDS, CASE 0007									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	00000000	00E3F960	0007EF75	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	000F21A0	000FDEFB	0	00000000	FFFFFFFF	01239E6F	00000001	DE000000
P11	00000000	00658720	001FBDD6	0	00000000	00000000	00DC6190	00000001	DE000000
P11	00000000	00830360	003F7BAC	0	00000000	00000000	00DC6190	00000001	DE000000
P11	00000000	00C049E0	007EF758	0	00000000	00000000	00DC6190	00000001	DE000000
P12	00FDEE30	00000000	007EF758	0	00000000	00000000	00000000	FFFFFFFF	DEFFFFFF
P13	1EFDEE30	00000000	007EF758	0	00000000	00000000	00000000	00000000	DE000000
P15	1EFDEE30	00000000	007EF758	0	00000000	00000000	00000000	00000000	DE000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0008									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	28FDD84E	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	28FDD84E	00000000	28FDD84E	0	00000000	00000000	00000000	FF000000	00000000
P02	28000000	00FDD84E	28FDD84E	0	00000000	E5E0159F	01E0159F	01000000	00000000
P03	00000000	00FDD84E	28FDD84E	0	00FDD84E	00000000	00000000	00000000	0E000000
P04	00000000	00FDD84E	00000000	0	00000000	FFFFFFFF	01E0159F	00000001	0E000000
P09	00000000	01F8B09C	00000000	0	00000000	FFFFFFFF	01E0159F	00000001	0E000000
P10	00000000	001F8B09	00000000	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	80000000	01FFA153	00000000	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	003F1767	00000001	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	003E5A0E	00000003	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	003CDF5C	00000007	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	0039E9F8	0000000F	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	0033FF30	0000001F	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	002829A0	0000003F	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	00107F80	0000007F	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	01E12840	000000FE	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	00022540	000001FD	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	01C475C0	000003FA	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	01C8C040	000007F4	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	01D15540	00000FE8	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	01E27F40	00001FD0	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	0004D340	00003FA1	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	01C9D1C0	00007F42	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	01D37840	0000FE84	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	01E6C540	0001FD08	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	00005F40	0003FA11	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P11	00000000	01DAE9C0	0007F422	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	01F5A840	000FE844	0	00000000	00000000	001FEA60	00000000	0F000000
P11	00000000	002B2540	001FD089	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000

00274

SIGMA LOGIC SIMULATION, FDS, CASE 0008									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	00000000	00167FC0	003FA113	0	00000000	FFFFFFFF	01E0159F	00000001	0F000000
P12	007F4226	00000000	003FA113	0	00000000	00000000	00000000	FFFFFFFF	0FFFFFFFFF
P13	4F7F4226	00000000	003FA113	0	00000000	00000000	00000000	00000000	0F000000
P15	4F7F4226	00000000	003FA113	0	00000000	00000000	00000000	00000000	00000000

00275

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0009								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	8508753F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
PC1	8508753F	00000000	8508753F	0	00000000	00000000	00000000	FF000000	00000000
PC2	7A000000	0108753F	7A08753F	0	00000000	BCF6CDE7	01F6CDE7	01000000	00000000
PC3	00000000	0108753F	7A08753F	0	0108753F	00000000	00000000	FFFFFFF	37FFFFFF
PC4	00000000	00F78AC1	00000000	0	00F78AC1	00000000	00093218	00000000	37000000
PC6	00000000	00932180	00000000	0	00F78AC1	00000000	00093218	00000000	38000000
PC7	00000000	00932180	00000000	0	00F78AC1	00000000	00093218	00000000	38000000
PC8	00000000	00F78AC1	00000000	0	00000000	FFFFFFF	016CDE7F	00000001	38000000
PC9	00000000	01FF1582	00000000	0	00000000	FFFFFFF	016CDE7F	00000001	38000000
P10	20000000	001EF158	00000000	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	40000000	01179FB0	00000000	0	00000000	00000000	00932180	00000000	39000000
P11	80000000	01558260	00000000	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	010147C1	00000000	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	00C8D282	00000001	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	00686204	00000003	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	01508108	00000006	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	00874510	0000000D	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	01E84720	0000001A	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	00F6D140	00000035	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	00C75F80	0000006B	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	00687C00	00000007	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	01AAB500	000001AE	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	0078AD00	00000350	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	01D11700	000006BA	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	00C87100	00000D75	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	006A9F00	00001AE8	0	00000000	FFFFFFF	016CDE7F	00000001	39000000

00276

TIME	SIGMA LOGIC SIMULATION, FDS, CASE 0009								
	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	00000000	01AFF500	00003506	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	00843900	00004BAC	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	01F28F00	0000075A	0	00000000	00000000	00932180	00000000	39000000
P11	00000000	00FAA100	0001AE85	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	00AFF500	00003506	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	00375B00	00003A07	0	00000000	FFFFFFF	016CDE7F	00000001	39000000
P11	00000000	01493900	000075AE	0	00000000	00000000	00932180	00000000	39000000
P12	001AF550	00000000	000075AF	0	00000000	00000000	00000000	FFFFFFF	39FFFFFF
P13	79E514A4	01FFFFFF	000075AF	0	00000000	00000000	00000000	FF000000	39000000
P15	86E514A4	01FFFFFF	000075AE	0	00000000	00000000	00000000	00000000	00000000

00277

SIGMA LOGIC SIMULATION, FDS, CASE 0010									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	585F8073	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	585F8073	00000000	585F8073	0	00000000	00000000	00000000	FF000000	00000000
P02	58000000	005F8073	585F8073	0	00000000	CB07BFCE	01D7BFCE	01000000	00000000
P03	00000000	005F8073	585F8073	0	005F8073	00000000	00000000	00000000	24000000
P04	00000000	005F8073	00000000	0	00000000	FFFFFFF	01D7BFCE	00000001	24000000
P09	00000000	00BF00E6	00000000	0	00000000	FFFFFFF	01D7BFCE	00000001	24000000
P10	60000000	000BF00E	00000000	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	01C75FBA	00000000	0	00000000	00000000	00284031	00000000	25000000
P11	80000000	01DF3FD7	00000000	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	000F0011	00000001	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	01CD7FC0	00000002	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	01E87FE2	00000004	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	00278026	00000009	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	01FF7FEA	00000012	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	004D8036	00000025	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	004A800A	00000048	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	00447FB2	00000097	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	00387F02	0000012F	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	002070A2	0000025F	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	01F07AE2	000004BE	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	00317626	00000970	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	00126FEA	000012FB	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	01D45772	000025F6	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	01F92F46	00004BEC	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	0042DFFE	00009709	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	0035307A	00012FB3	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	0019FA92	00025F67	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000
P11	00000000	01E374C2	0004BECF	0	00000000	00000000	00284031	00000000	25000000
P11	00000000	001769E6	00097090	0	00000000	FFFFFFF	01D7BFCE	00000001	25000000

00278

SIGMA LOGIC SIMULATION, FDS, CASE 0010									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	00000000	01DE536A	0012FB3A	0	00000000	00000000	00284031	00000000	25000000
P12	0025F675	00000000	0012FB3A	0	00000000	00000000	00000000	FFFFFFF	25FFFFFF
P13	6525F675	00000000	0012FB3A	0	00000000	00000000	00000000	00000000	25000000
P15	6525F675	00000000	0012FB3A	0	00000000	00000000	00000000	00000000	00000000

00279

SIGMA LOGIC SIMULATION, FDS, CASE 0011									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	4906BCA8	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	4906BCA8	00000000	4906BCA8	0	00000000	00000000	00000000	FF000000	00000000
P02	49000000	0006BCA8	4906BCA8	0	00000000	B1F3F65A	01F3F65A	01000000	00000000
P03	00000000	0006BCA8	4906BCA8	0	0006BCA8	00000000	00000000	00000000	FB000000
P04	00000000	006BCA80	00000000	0	00000000	00000000	01F3F65A	00000000	FA000000
P05	00000000	006BCA80	00000000	0	006BCA80	00000000	01F3F65A	00000000	FA000000
P06	00000000	013F65A0	00000000	0	006BCA80	00000000	01F3F65A	00000000	FB000000
P07	00000000	013F65A0	00000000	0	006BCA80	00000000	01F3F65A	00000000	FB000000
P08	00000000	006BCA80	00000000	0	00000000	00000000	013F65A0	00000000	FB000000
P09	00000000	00F79500	00000000	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	002DF540	00000001	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	00DAB5C0	00000002	0	00000000	FFFFFFFF	00C09A5F	00000000	FB000000
P11	00000000	0136A^40	00000004	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P11	00000000	01FE7540	00000008	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P11	00000000	015E1F40	00000011	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	013B09C0	00000023	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	00F4DFC0	00000047	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	00688RC0	0000008F	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	014FDCC0	0000011E	0	00000000	FFFFFFFF	00C09A5F	00000000	FB000000
P11	00000000	0020EF40	00000230	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	00C0A7C0	0000047A	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P11	00000000	01028A40	000008F4	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P11	00000000	01863D40	000011F8	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P11	00000000	008DAF40	00002301	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	019A29C0	000047A2	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P11	00000000	00R58R40	00008F45	0	00000000	00000000	013F65A0	00000000	FB000000

00280

SIGMA LOGIC SIMULATION, FDS, CASE 0011									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	00000000	01E9DPC0	00011F8A	0	00000000	FFFFFFFF	00C09A5F	00000000	FB000000
P11	00000000	0154EC40	00023015	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	0128A3C0	00047A2F	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	00D012C0	0008F457	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	001FF2C0	0011F8AF	0	00000000	00000000	013F65A0	00000000	FB000000
P11	00000000	008CACC0	0003015F	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P11	00000000	00F8E540	0047A2BC	0	00000000	FFFFFFFF	00C09A5F	00000001	FB000000
P12	00F4578	00000000	0047A2BC	0	00000000	00000000	00000000	FFFFFFFF	FBFFFFFF
P13	3B7CBA88	01FFFFFF	0047A2BC	0	00000000	00000000	00000000	FF000000	FB000000
P15	C47CBA88	01FFFFFF	0047A2BC	0	00000000	00000000	00000000	00000000	00000000

00281

SIGMA LOGIC SIMULATION, FDS, CASE 0012									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	9CFFF53F	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	9CFFF53F	00000000	9CFFF53F	0	00000000	00000000	00000000	FF000000	00000000
P02	63000000	01FFF53F	63FFF53F	0	00000000	B6FFF502	01FFF502	01000000	00000000
P03	00000000	01FFF53F	63FFF53F	0	01FFF53F	00000000	00000000	FFFFFFF	1AFFFFFF
P04	00000000	0000AC10	00000000	0	00000000	00000000	00000AFD	00000000	19000000
P05	00000000	0000AC100	00000000	0	00000000	00000000	00000AFD	00000000	18000000
P05	00000000	00AC1000	00000000	0	00000000	00000000	00000AFD	00000000	17000000
P05	00000000	00AC1000	00000000	0	00AC1000	00000000	00000AFD	00000000	17000000
P06	00000000	0000AFD0	00000000	0	00AC1000	00000000	00000AFD	00000000	18000000
P07	00000000	00CAF000	00000000	0	00AC1000	00000000	00000AFD	00000000	19000000
P07	00000000	00AFD000	00000000	0	00AC1000	00000000	00000AFD	00000000	1A000000
P07	00000000	00AFD000	00000000	0	00AC1000	00000000	00000AFD	00000000	1A000000
P08	00000000	00AC1000	00000000	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P09	00000000	01582000	00000000	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	0150A000	00000001	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	0141A000	00000003	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	0123A000	00000007	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	00E7A000	0000000F	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	006FA000	0000001F	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	017FA000	0000003E	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	005E0000	0000007D	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	015E2000	000000FA	0	00000000	00000000	0CAF0000	00000000	1A000000

00282

SIGMA LOGIC SIMULATION, FDS, CASE 0012									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	00000000	0018E000	000001F5	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	0008E000	000003EA	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	010FE000	000007D4	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	017F6000	00000FA8	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	005E6000	00001F51	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	015D2000	00003EA2	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	0019E000	00007D45	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	0004E000	0000FA8A	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	0107F000	0001F514	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	016F6000	0003EA28	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	003E6000	0007D451	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	0110E000	000FA8A2	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	0199E000	01F5144	0	00000000	00000000	0CAF0000	00000000	1A000000
P11	00000000	0093E000	003EA289	0	00000000	FFFFFFF	01502FFF	00000001	1A000000
P11	00000000	0107E000	007D4512	0	00000000	00000000	0CAF0000	00000000	1A000000
P12	00FAS025	00000000	007D4512	0	00000000	00000000	00000000	FFFFFFF	1AFFFFFF
P13	5A05750B	01FFFFFF	007D4512	0	00000000	00000000	00000000	FF000000	1A000000
P15	A505750B	01FFFFFF	007D4512	0	00000000	00000000	00000000	00000000	00000000

00285

SIGMA LOGIC SIMULATION, FDS, CASE 0014									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	AC67F6A8	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	AC67F6A8	00000000	AC67F6A8	0	00000000	00000000	00000000	FF000000	00000000
P02	53000000	0167F6A8	5367F6A8	0	00000000	E7BA833E	01BA833E	01000000	00000000
P03	00000000	0167F6A8	5367F6A8	0	0167F6A8	00000000	00000000	FFFFFFF	3BFFFFFF
P04	00000000	00980958	00000000	0	00000000	FFFFFFF	01BA833E	00000001	3B000000
P09	00000000	013012B0	00000000	0	00000000	FFFFFFF	01BA833E	00000001	3B000000
P10	00000000	0013012B	00000000	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	019R08D4	00000000	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	01C10B2A	00000000	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	00000FD6	00000001	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	018F262A	00000002	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	01A945D6	00000004	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	01D0852E	00000008	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	004603DE	00000011	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	00010E3A	00000023	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	01772F2	00000046	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	01793F66	0000008C	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	0170784E	00000118	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	0185EA1E	00000230	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	01960D8E	00000460	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	018894FE	000008C0	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	01FC237E	00001180	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	0083407E	00002301	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	007B877A	00004603	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	006C1572	00008C07	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	00403162	0001180F	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	000F6942	0002301F	0	00000000	FFFFFFF	01BA833E	00000001	3C000000
P11	00000000	01930902	0004603E	0	00000000	00000000	00457CC1	00000000	3C000000
P11	00000000	01B2A886	0008C07C	0	00000000	00000000	00457CC1	00000000	3C000000

00286

SIGMA LOGIC SIMULATION, FDS, CASE 0014									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	00000000	01F0508E	001180F8	0	00000000	00000000	00457CC1	00000000	3C000000
P12	002301F1	00000000	001180F8	0	00000000	00000000	00000000	FFFFFFF	3CFFFFFF
P13	700CF00F	01FFFFFF	001180F8	0	00000000	00000000	00000000	FF000000	3C000000
P15	830CF00F	01FFFFFF	001180F8	0	00000000	00000000	00000000	00000000	00000000

00287

SIGMA LOGIC SIMULATION, FDS, CASE 0015									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D'REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	72963D9E	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	72963D9E	00000000	72963D9E	0	00000000	00000000	00000000	FF000000	00000000
P02	72000000	0096309E	72963D9E	0	00000000	9EC9AB85	01C9AB85	01000000	00000000
P03	00000000	0096309E	72963D9E	0	0096309E	00000000	00000000	00000000	11000000
P04	00000000	0096309E	00000000	0	00000000	FFFFFFFF	01C9AB85	00000001	11000000
P09	00000000	012C7B3C	00000000	0	00000000	FFFFFFFF	01C9AB85	00000001	11000000
P10	C0000000	0012C7B3	00000000	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	80000000	0158E673	00000000	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	01DE75DB	00000000	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	002994AA	00000001	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	01E68760	00000002	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	0039A9B4	00000005	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	0006AA74	0000000B	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	01A7ABF4	00000016	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	01AE00DC	0000002C	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	01C8AAAC	00000058	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	01FD0E4C	000000B0	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	0068A58C	00000161	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	0064A224	000002C3	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	005C9B54	00000587	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	004C8DB4	00000B0F	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	002C7274	0000161F	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	01E03BF4	00002C3E	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	004E200C	0000587D	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	01109AC4	0000B0FB	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	01CF8394	000161F6	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	0009B41C	0002C3ED	0	00000000	FFFFFFFF	01C9AB85	00000001	12000000
P11	00000000	01A6C344	000587DA	0	00000000	00000000	0036547A	00000000	12000000
P11	00000000	01BA3F7C	000B0FB4	0	00000000	00000000	0036547A	00000000	12000000

00288

SIGMA LOGIC SIMULATION, FDS, CASE 0015									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D'REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P11	00000000	011277EC	00161F68	0	00000000	00000000	0036547A	00000000	12000000
P12	00000000	00000000	00161F68	0	00000000	00000000	00000000	FFFFFFFF	12FFFFFF
P13	522C3E01	00000000	00161F68	0	00000000	00000000	00000000	00000000	12000000
P15	522C3E01	00000000	00161F68	0	00000000	00000000	00000000	00000000	00000000

00289

SIGMA LOGIC SIMULATION, FDS, CASE 0016									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	8D8E2FD4	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	8D8E2FD4	00000000	8D8E2FD4	0	00000000	00000000	00000000	FF000000	00000000
P02	72000000	018E2FD4	728E2FD4	0	00000000	AFA041E6	01A041E6	01000000	00000000
P03	00000000	018E2FD4	728E2FD4	0	018E2FD4	00000000	00000000	FFFFFFF	22FFFFFF
P04	00000000	0071D02C	00000000	0	00000000	00000000	01A041E6	00000000	22000000
P09	00000000	00E3A058	00000000	0	00000000	00000000	01A041E6	00000000	22000000
P10	80000000	00CF3AC5	00000000	0	00000000	00000000	01A041E6	00000000	23000000
P11	00000000	015CF7D7	00000000	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	017969E2	00000000	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	018253F8	00000000	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	00242424	00000001	0	00000000	00000000	01A041E6	00000000	23000000
P11	00000000	0188CC14	00000002	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	01D1145C	00000004	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	0061A4EC	00000009	0	00000000	00000000	01A041E6	00000000	23000000
P11	00000000	0003C7A4	00000013	0	00000000	00000000	01A041E6	00000000	23000000
P11	00000000	01481F14	00000026	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	014FBA5C	0000004C	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	015EFC0C	00000098	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	01705F0C	00000130	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	015A384C	00000260	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	0033F0CC	000004C1	0	00000000	00000000	01A041E6	00000000	23000000
P11	00000000	01A85064	00000982	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	001034FC	00001305	0	00000000	00000000	01A041E6	00000000	23000000
P11	00000000	0160F1C+	0000260A	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	01815F8C	00004C14	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	01C23BAC	00009828	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	0043F38C	00013051	0	00000000	00000000	01A041E6	00000000	23000000
P11	00000000	01C86AF4	000260A2	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P11	00000000	005051FC	0004C145	0	00000000	00000000	01A041E6	00000000	23000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0016									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	00000000	01E127C4	0009828A	0	00000000	FFFFFFF	005FBE19	00000001	23000000
P12	00130515	00000000	0009828A	0	00000000	00000000	00000000	FFFFFFF	23FFFFFF
P13	63130515	00000000	0009828A	0	00000000	00000000	00000000	00000000	23000000
P15	63130515	00000000	0009828A	0	00000000	00000000	00000000	00000000	00000000

00291

SIGMA LOGIC SIMULATION, FDS, CASE 0017									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
PPR	67284031	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	67284031	00000000	67284031	0	00000000	00000000	00000000	FF000000	00000000
P02	67000000	00284031	67284031	0	00000000	A70A7F8C	010A7F8C	01000000	00000000
P03	00000000	00284031	67284031	0	00284031	00000000	00000000	00000000	0F000000
P04	00000000	00284031	00000000	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P09	00000000	00508062	00000000	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	00B5FF0E	00000000	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	015700A2	00000000	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	0099022A	00000001	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	0147036E	00000002	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	007907C2	00000005	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	01070E9E	0000000A	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	01F91E22	00000014	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	01DD3D2A	00000029	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	01CF796E	00000053	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	01B3F1F6	000000A7	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	017CE306	0000014F	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	010EC526	0000029F	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	00328966	0000053F	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	007A11E6	00000A7E	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	00DF24E2	000014FC	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	01A94A4A	000029F8	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	013D957A	000053F1	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	00902A0E	0000A7E3	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	01355336	00014FC6	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	0055A752	00029F8D	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000
P11	00000000	00C0478E	00053F1A	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	016B9C62	000A7E34	0	00000000	00000000	00F58073	00000000	0F000000
P11	00000000	00C239AA	0014FC69	0	00000000	FFFFFFFF	010A7F8C	00000001	0F000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0017									
TIME	A REGISTER	A'REGISTER	B REGISTER	BC31	B'REGISTER	D REGISTER	D'REGISTER	CS REGISTER	CS'REGISTER
P12	4E29F8D2	00000000	0014FC69	0	00000000	00000000	00000000	FFFFFFFF	0FFFFFFF
P13	4E29F8D2	00000000	0014FC69	0	00000000	00000000	00000000	00000000	0F000000
P15	4E29F8D2	00000000	0014FC69	0	00000000	00000000	00000000	00000000	00000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0018									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	B132F65A	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	B132F65A	00000000	B132F65A	0	00000000	00000000	00000000	FF000000	00000000
P02	4E000000	0132F65A	4F32F65A	0	00000000	D265BCA9	0165BCA9	01000000	00000000
P03	00000000	0132F65A	4E32F65A	0	0132F65A	00000000	00000000	FFFFFFF	21FFFFFF
P04	00000000	00C009A6	00000000	0	00000000	00000000	0165BCA9	00000000	21000000
P09	00000000	019A134C	00000000	0	00000000	00000000	0165BCA9	00000000	21000000
P10	00000000	0019A134	00000000	0	00000000	00000000	0165BCA9	00000000	22000000
P11	80000000	00FEHBBB	00000000	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	0131FF25	00000000	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	019882F8	00000000	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	00658C9E	00000001	0	00000000	00000000	0165BCA9	00000000	22000000
P11	00000000	0196928E	00000002	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	0061ABCA	00000005	0	00000000	00000000	0165BCA9	00000000	22000000
P11	00000000	018ED0F6	0000000A	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	0052287A	00000015	0	00000000	00000000	0165BCA9	00000000	22000000
P11	00000000	016FCA46	0000002A	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	00141B3A	00000055	0	00000000	00000000	0165BCA9	00000000	22000000
P11	00000000	00F3AFC6	000000AA	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	011BE63A	00000154	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	006C5322	000002A8	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	000D2CF2	00000551	0	00000000	00000000	0165BCA9	00000000	22000000
P11	00000000	00F5D336	00000AA2	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	0100271A	00001544	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	013400E2	00002A88	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	019E4872	00005510	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	00711792	0000AA21	0	00000000	00000000	0165BCA9	00000000	22000000
P11	00000000	01ADA876	00015442	0	00000000	FFFFFFF	009A4356	00000001	22000000
P11	00000000	008FD79A	0002A885	0	00000000	00000000	0165BCA9	00000000	22000000
P11	00000000	01EB2886	0005510A	0	00000000	FFFFFFF	009A4356	00000001	22000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0018									
TIME	A REGISTER	AIRREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	00000000	01CAD7BA	00CAA215	0	00000000	00000000	0165BCA9	00000000	22000000
P12	0015442B	00000000	00CAA215	0	00000000	00000000	00000000	FFFFFFF	22FFFFFF
P13	6215442B	00000000	00CAA215	0	00000000	00000000	00000000	00000000	22000000
P15	6215442B	00000000	00CAA215	0	00000000	00000000	00000000	00000000	00000000

00295

SIGMA LOGIC SIMULATION, FDS, CASE 0019									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
PPR	49A80AFD	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	49A80AFD	00000000	49A80AFD	0	00000000	00000000	00000000	FF000000	00000000
P02	49000000	00A80AFD	49A80AFD	0	00000000	CFCF7C1C	01CF7C1C	01000000	00000000
P03	00000000	00A80AFD	49A80AFD	0	00A80AFD	00000000	00000000	00000000	19000000
P04	00000000	00A80AFD	00000000	0	00000000	00000000	01CF7C1C	00000000	19000000
P09	00000000	015015FA	00000000	0	00000000	00000000	01CF7C1C	00000000	19000000
P10	A0000000	0015015F	00000000	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	40000000	01C8FAF7	00000000	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	80000000	01F2F0H6	00000000	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	00470335	00000001	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	002CFEA2	00000003	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	01F8F57C	00000006	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	0052F2C0	0000000D	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	0044D9B8	0000001B	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	0028B3A8	00000037	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	01FC05F88	0000006E	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	0041C6D8	000000DD	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	002285E8	0000018B	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	01F40408	00000376	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	00290FD8	000006ED	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	01F117E8	00000D9A	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	00433798	000018B5	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	00256768	0000376B	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	01E9C708	00006E96	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	00349508	0000DDAD	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	000823E8	00018B5B	0	00000000	00000000	01CF7C1C	00000000	1A000000
P11	00000000	01AF4008	00037666	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	01E87D08	0006ED6C	0	00000000	FFFFFFFF	003083E3	00000000	1A000000
P11	00000000	01E01778	000DDA98	0	00000000	FFFFFFFF	003083E3	00000000	1A000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0019									
TIME	A REGISTER	A REGISTER	B REGISTER	BC31	B REGISTER	D REGISTER	D REGISTER	CS REGISTER	CS REGISTER
P11	00000000	002134B8	0018B591	0	00000000	00000000	01CF7C1C	00000000	1A000000
P12	00376862	00000000	0018B591	0	00000000	00000000	00000000	FFFFFFFF	1AFFFFFF
P13	5AC8949E	01FFFFFF	0018B591	0	00000000	00000000	00000000	FF000000	1A000000
P15	ABCR949E	01FFFFFF	0018B591	0	00000000	00000000	00000000	00000000	00000000

00297

SIGMA LOGIC SIMULATION, FDS, CASE 0020									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
PPR	81659CC1	00000000	00000000	0	00000000	00000000	00000000	00000000	00000000
P01	81659CC1	00000000	81659CC1	0	00000000	00000000	00000000	FF000000	00000000
P02	7E000000	01659CC1	7E659CC1	0	00000000	B4980A57	01980A57	01000000	00000000
P03	00000000	01659CC1	7E659CC1	0	01659CC1	00000000	00000000	FFFFFFFF	33FFFFFF
P04	00000000	009A633F	00000000	0	00000000	FFFFFFFF	01980A57	00000001	33000000
P09	00000000	0134C67E	00000000	0	00000000	FFFFFFFF	01980A57	00000001	33000000
P10	E0000000	00134C67	00000000	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	C0000000	0156A07F	00000000	0	00000000	00000000	0067F5A8	00000000	34000000
P11	80000000	0170464F	00000000	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	01CA77EF	00000000	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	0064092E	00000000	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	01F9C90C	00000002	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	00C38168	00000005	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	00B71780	0000000B	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	009E43B0	00000017	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	006C9C10	0000002F	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	00094CD0	0000005F	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	0142AF50	0000008E	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	015547F0	0000017C	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	017A7330	000002F8	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	01C4E180	000005FC	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	0059AE80	00000BF1	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	01E37210	000017C2	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	0096CF70	00002F85	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	0050B390	00005F08	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	01ER7800	00008E16	0	00000000	00000000	0067F5A8	00000000	34000000
P11	00000000	00A6E2F0	00017C20	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	0070DA90	0002F85B	0	00000000	FFFFFFFF	01980A57	00000001	34000000
P11	00000000	0028C9D0	0005F0B7	0	00000000	FFFFFFFF	01980A57	00000001	34000000

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SIGMA LOGIC SIMULATION, FDS, CASE 0020									
TIME	A REGISTER	AIREGISTER	B REGISTER	BC31	BIREGISTER	D REGISTER	DIREGISTER	CS REGISTER	CSIREGISTER
P11	00000000	0187A850	000BF16E	0	00000000	00000000	0067F5A8	00000000	34000000
P12	0017C200	00000000	000BE16E	0	00000000	00000000	00000000	FFFFFFFF	34FFFFFF
P13	74F83024	01FFFFFF	000BE16E	0	00000000	00000000	00000000	FF000000	34000000
P15	8BF83024	01FFFFFF	000BE16E	0	00000000	00000000	00000000	00000000	00000000