

```

:40577
:40578 =0 :-----:
:40579 : BRANCH ON ALU Z-BIT
:40580 :0-----:
:40581 VA VA+4, : INCREMENT ADDRESS
:40582 D RC[T3],Q ID[T3],
:40583 J7POLYH.I.3
:40584 :1-----:
:40585 ALU Q,CHK.FLT.OPR, : CHECK FOR -0
:40586 VA VA+4,
:40587 D_0,Q_0
:40588 :-----:
:40589 POLYH.I.3:CACHE_D[LONG] : WRITE LONG FRAC 1
:40590
:40591
:40592 :-----:
:40593 D_Q,VA_VA+4 : D GETS LONG FRAC2
:40594
:40595 :-----:
:40596 LC RC[T5], : LATCH TABLE ADDRESS
:40597 CACHE_D[LONG] : ARGUMENT IS NOW ON STACK
:40598 : BUT STACK-POINTER IS UNCHANGED
:40599 :0**-----:
:40600 =0** SC K[.30], : STORE IN RCO-ID1
:40601 ALU LC,VA ALU, : LOAD VA WITH TABLE POINTER
:40602 R[R5],ALD, : STORE IT IN R15 AS WELL
:40603 CALL,J7READ.H.SUBR
:40604
:40605 :1**-----:
:40606 =1** : RETURN FROM SUBROUTINE WITH FIRST COEFF IN RCO-ID1
:40607 : NOW WE NEED TO MOVE IT TO R0-R3
:40608 : SET D, SUBTRACT 16. FROM STACKPOINTER
:40609
:40610 D RC[T0], : GET LONG EXP
:40611 Q_ID[T0] : Q GETS LONG FRAC 0
:40612
:40613 :-----:
:40614 ALU D.ANDNOT.K[.8000],CLK.UBCC, :
:40615 WORD
:40616
:40617 :-----:
:40618 U 1662, 0019,4024,4E80,F800,0010,1663 : Z? : TEST EXP OF COEFO
:40619
:40620 =0 :0-----: NOT ZERO
:40621 J/POLYH.I.4
:40622
:40623 :1-----: ZERO
:40624 U 1663, 0000,013C,0180,F800,0000,1ADA : ALU_D,CHK.FLT.CPR : CHECK FOR RES OPR
:40625 =0
:40626 POLYH.I.4:0-----:
:40627 CALL,J/LOAD.R0.R3
:40628
:40629 :1-----:
:40630 U 1AE0, 0000,003D,0180,F800,0000,1671 : LAB_RSP],K[.10] : GET READY TO UPDATE STACK-POINTER
:40630 U 1AE1, 0000,003C,6580,FA70,0000,1A48
```

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:40631 :00-----:
U 1A48, 0018,0001,6580,FAF0,0000,0E16 :40632 =00 ALU_LA-K[.10],R[SP]_ALU, : STORE NEW STACK-POINTER
:40633 : CALL,J/SETFPD : NOW SET FPD, TO AVOID STACK FAULTS
:40634 :
:40635 :10-----:
U 1A4A, 0014,0038,01C0,F800,0000,0EB8 :40636 =10 Q_PC,J/BAKUP.PC : COME HERE ON READ ERRORS
:40637 :
:40638 :11-----:
U 1A4E, 0000,003C,6580,FC00,0000,1664 :40639 =11 K[.10] :
:40640 :
:40641 :-----:
U 1664, 0818,0038,6580,F928,0C00,1AE4 :40642 LC_RC[5],D_K[.10] : LATCH TABLE ADDRESS
:40643 :
:40644 :0-----:
U 1AE4, 0011,0015,0180,FAA8,0000,13E8 :40645 =0 ALU_D+LC,R[5]_ALU, : POINT TO NEXT COEFFICIENT
:40646 : CALL,J/POLY.PC : ROUTINE TO GET PC-DELTA
:40647 :
:40648 :1-----:
:40649 =1 : RETURN WITH D = PC-DELTA
U 1AE5, 0811,8030,0180,F930,0010,1665 :40650 LC_RC[6], : LATCH DEGREE
:40651 : ALU_D.OR.LC,D_ALU,CLK.UBCC,BYTE :
:40652 =:END :
:40653 :-----:
U 1665, 0001,013C,0180,FAA0,0000,1880 :40654 ALU_D,R[4]_ALU, : LOAD DEGREE
:40655 : Z? : IS IT 0 ?
:40656 :

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```
:40657 :-----:
:40658 =0*000 : BRANCH GN ALU Z-BIT
:40659 :0*000-----:
:40660 POLYH.LOOP:
:40661 : GET HERE WITH ARGUMENT IN RC2-ID3
:40662 : PARTIAL POLYNOMIAL IN RC0-ID1 AND IN R0-R3
:40663 : R4 = PC DELTA AND DEGREE
:40664 : R5 = TABLE ADDRESS FOR NEXT COEFFICIENT
:40665 : STATE-REGISTER = ?????
:40666
:40667 STATE K[.1], : CODE TO SIGNAL POLYH
U 1880, 0000,003D,0580,F800,1404,7970 :40668 CALL,J/MULH.00 : RETURN10 IF 0 , RETURN12 OTHERWISE
:40669
:40670 :0*001-----: FINISHED, SET CONDITION CODES EXIT
:40671 =0*001 ALU R[R0], : GET LONG EXP OF FINISHED POLY
:40672 N&Z_ALU.V&C_0,WORD, : CLOCK CONDITION CODES
:40673 J/POLYH.F
U 1881, 0000,403C,0180,FA00,0050,1676 :40674
:40675 =1*000 :1*000-----:
:40676 : PRODUCT IS 0
:40677 VA_R[R5],
:40678 SC_K[.30], : LOAD COEFF IN RC0-ID1
U 1890, 0000,003D,7980,FA28,0284,7AC2 :40679 CALL,J/READ.H.SUBR
:40680
:40681 =1*010 :1*010-----:
:40682 : RETURN FROM MULH-ROUTINE WITH :
:40683 : RC0-ID1 = UNPACKED FRACTION, WITH OVERFLOW AN HIDDEN BIT
:40684 : RC6 = BIASSED EXPONENT = Q
:40685 : FE = # OF LEADING 0'S IN PRODUCT
:40686 : SC = FE
:40687 : SS = SD = SIGN
:40688 : NOW WE NEED TO FETCH NEXT COEFFICIENT
:40689 RC[4] Q, : STORE BIASSED EXP IN RC4
U 1892, 0001,203C,0180,F9A0,0000,1980 :40690 J/POLYH.LOOP.1
:40691
:40692 =1*100 :1*100-----:
:40693 : RETURN WITH COEFFICIENT IN RC0-ID1
U 1894, 0810,0038,0180,F9C0,0000,1666 :40694 D_RC[0] : GET EXP
:40695 =:END
:40696 ALU D.ANDNO .K[.8000],
:40697 CLK.LBCC,WORD
:40698
:40699 ?? : IS COEF ZERO?
:40700 =0 : NO
U 1A E8, 0000,003C,0180,F800,0000,185C :40701 J/POLYH.LOOP.3 : REJOIN LOOP
:40702 :1-----: YES
:40703 ALU D.CHK.FLT.OPR, : TEST FOR RES OP
U 1A E9, 0001,003C,0180,F800,0800,185C :40704 J/POLYH.LOOP.3 : REJOIN LOOP
```

```

:40705 =000 :000-----:
:40706 POLYH.LOOP.1:
:40707           VA_R[R5],           : VA GETS TABLE ADDRESS
:40708           SC_K[.2],           : SC GETS T2-POINTER
U 1980, 0000,003D,0980,FA28,028',7AC2 :40709           CALL,J/READ.H.SUBR
:40710
:40711           :100-----:
:40712 =100       : SC = .33
:40713           SC_SC-K[.1], FE_SC-K[.1],       : SC AND FE POINTS TO COEFF
U 1984, 0000,003D,0580,F800,0184.B63A :40714           CALL,J/UNPACK1H           : UNPACK COEFF IN RC2-ID3
:40715
:40716           :101-----:
:40717 =101       SD_SS,           : DEST-SIGN EQUALS SRC-SIGN
:40718           RC[T6] D,           : RC6 GETS PARTIAL POLY EXP
U 1985, 0001,003C,0184,F980,0000,166E :40719           J/POLYH.16           : COEFF IS 0
:40720
:40721           :111-----:
:40722 =111       : RETURN WITH:
:40723           : RC0-ID1 = UNPACKED PARTIAL POLY
:40724           : RC4 = PARTIAL POLY EXPONENT
:40725           : RC2-ID3 = UNPACKED COEFFICIENT
:40726           : RC6 = COEFFICIENT EXPONENT
:40727           : R15 = UNBIASSED COEFF EXP
:40728           : SS = XOR OF THE TWO SIGN-BITS, SD = SIGN OF COEFF
:40729
U 1987, 0810,0038,0180,F930,0000,184C :40730           D_RC[T6]           : D GETS PARTIAL POLY EXP
:40731 =:END       :-----:
  
```

```

:40732 =0***0 :0***0-----:
:40733 STATE KC.8], : STATE GETS POLY BIT
:40734 LC RC[T4], : LATCH OPERAND EXP
U 184C, 0000,003D,0180,F920,1404,7953 :40735 CALL,J/ADDDH.00 : NOW ADD COEFF INTO PARTIAL POLY
:40736
:40737 :1***0-----:
:40738 =1***0 : RETURN WITH :
:40739 : RCO-ID1 = NEW PARTIAL POLY
:40740 : NOW STORE IT IN R0-R3 AS NEW PARTIAL POLY
:40741 POLYH.LOOP.3:
:40742 D RC[T0],Q ID[T0], : GET FIRST TWO LONGWORDS
U 185C, 0810,0039,C1F0,2D00,0000,1671 :40743 CALL,J/LOAD.R0.R3
:40744
:40745 :1***1-----:
U 185D, 0000,003C,6580,FA28,0000,1669 :40746 =1***1 : WE NOW HAVE NEW PARTIAL POLY IN R0-R3
:40747 LAB_R[R5],KC.10] : NEED TO UPDATE TABLE ADDRESS
:40748
:40749
:40750 ALU LA+KC.10],R[R5]_ALU, : IT NOW POINTS TO NEXT COEFFICIENT
U 1669, 0018,0014,6580,FAA8,0000,166A :40751 J/POLYH.LOOP.4
:40752
:40753
:40754 : THIS IS THE ERROR CODE FOR POLYH,COME HERE FROM PACKH
:40755 : BRANCH ON SIGN OF EXPONENT
:40756 =110 :110-----: OK
U 19D6, 081F,5B30,0180,F980,0000,1643 :40757 POLYH.X:ALU D.OXT[WORD].OR.Q,RC[T0]_ALU,
:40758 D_ALU,ALU?,J/POLYH.TEST
:40759
:40760 :111-----: UNDERFLOW
U 19D7, 0F03,003C,3DF0,2D80,0000,1635 :40761 Q_ID[PSL],D_0,ALU_0(A),RC[T0]_ALU;
:40762 =0101
:40763 POLYH.UND:;0101-----:
:40764 R[C[T1]_ALU,ALU_0(A),ID[T0]_D, : CALL SITE FOR PSL<FU> TEST
U 1635, 0003,003D,C180,3D88,0000,12AE :40765 CALL[PSLFU.A]
:40766
:40767 =1101 :1101-----: FU=0
U 163D, 0003,003C,C5F8,3C00,0060,185C :40768 ALU_0(A),N&Z_ALU,ID[T1]_D, : SET RESULT TO 0 AND CONTINUE
:40769 Q_0,J/POLYH.LOOP.3
:40770
:40771 :1111-----: FU=1
U 163F, 0818,0038,F580,F800,0000,13F2 :40772 D_KC.A],J/POLY.FAULT : LOAD FAULT CODE AND TAKE FAULT
:40773 =0011
:40774 POLYH.TEST:;0011-----: OK
U 1643, 0010,4038,0180,F900,0060,185C :40775 ALU RC[T0],N&Z_ALU,WORD,
:40776 J/POLYH.LOOP.3
:40777
:40778 :0111-----: UNDERFLOW
U 1647, 0F03,003C,3DF0,2D80,0000,1635 :40779 Q_ID[PSL],D_0,ALU_0(A), : START CLEARING ANSWER
:40780 RC[T0]_ALU,J/POLYH.UND : GET PSL
:40781
:40782 :1011-----: OVERFLOW
U 164B, 0818,0038,0180,F800,0000,13F2 :40783 D_KC.8],J/POLY.FAULT : LOAD FAULT CODE
:40784 =:END

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:40785
:40785 ; WE HAVE NOW ESSENTIALLY COMPLETED A PASS THRU THE POLY-LOOP,

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ZZ-ESOAA-124.0 ; GANDH .MIC [600,1204]

G 1  
G & H floating point 14-Jan-82

Fiche 6 Frame G1

Sequence 1036

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:40787 : INCLUDING A MULTIPLICATION AND AN ADDITION.  
:40788 : R0-R3 HAS PARTIAL POLYNOMIAL IN PACKED FORM,  
:40789 : R5 IS POINTING TO NEXT COEFFICIENT  
:40790 : WE NOW GET READY FOR ANOTHER PASS BY DECREMENTING THE DEGREE  
:40791 : IN R4 AND READING THE ARGUMENT FROM THE STACK INTO  
:40792 : RC2-ID3.  
:40793 :  
:40794 :-----:  
U 166A, 0800,003C,0180,FA20,0000,166B :40795 POLYH.LOOP.4:  
:40796 D_R[R4] ; GET DEGREE  
:40797 :  
:40798 :-----:  
U 166B, 0019,8000,0580,FAA0,0010,166D :40799 ALU_D-K[.1],R[R4]_ALU, ; DECREMENT DEGREE  
:40800 CLK_UBCC,BYTE ;  
:40801 :  
:40802 :-----:  
U 166D, 0000,013C,0180,F800,0000,18C0 :40803 ?? ; ARE WE FINISHED ?  
:40804 :  
:40805 :-----:  
:40806 =0*0 ; BRANCH ON ALU Z-BIT  
:40807 :0*0 ; NOT FINISHED  
:40808 POLYH.REEN: ; REENTER LOOP HERE ON FPD-RESTART  
:40809 VA_R[SP],SC_K[.2], ;  
U 18C0, 0000,003D,0980,FA70,0284,7AC2 :40810 CALL,J/READ.H.SUBR ; READ ARGUMENT INTO RC2-ID3  
:40811 :  
:40812 :0*1-----; FINISHED  
:40813 ALU_R[R0], ; GET LONG EXP OF FINISHED POLY  
:40814 NZ_ALU.V&C_0,WORD, ; CLOCK CONDITION CODES  
U 18C1, 0000,403C,0180,FA00,0050,1676 :40815 J/POLYH.F  
:40816 :  
:40817 :1*0-----;  
:40818 =1*0 ; RETURN FROM READ HUGE SUBROUTINE WITH:  
:40819 ; RC0-ID1 = PARTIAL POLY  
:40820 ; RC2-ID3 = ARGUMENT  
:40821 STATE_K[.1], ; STATE GETS POLY BIT  
U 18C4, 0000,003C,0580,F800,1404,7880 :40822 J/POLYH.LOOP  
:40823 =:END ;-----;
```

```

:40824 : COME HERE AFTER MULTIPLY IF COEFFICIENT IS ZERO
:40825
:40826
U 166E, 0000,003C,0180,F800,1404,3670 :40827 POLYH.16:STATE_STATE.OR.KC.8] ; DO THIS SO PACKH RETURNS TO POLYH.X
:40828
:40829
:40830 SC_K[ZERO], ; CLEAR SC FOR NORMALIZE-ROUTINE
U 1670, 0000,003C,1980,F800,0084,75A5 :40831 J/ADDH.310 ; NORMALIZE,ROUND AND PACK
:40832
:40833
:40834
:40835 LOAD.R0.R3: ; ROUTINE TO MOVE RC0-ID1 INTO R0-R3
:40836 ; EXPECTS D = RC0, Q = ID0
:40837
:40838 R[R0] D, ; STORE LONG EXP IN R0
U 1671, 0C01,003C,C5F0,2E80,0000,1672 :40839 D_Q,Q_ID[T1] ; Q GETS LONG FRAC 2
:40840
:40841
:40842 ALU_D,LC_RC[T1]&R1_ALU ; STORE LONG FRAC 0 IN R1
U 1672, 0001,003C,0180,FB88,0000,1674 :40843
:40844
:40845 R[R2]_LC ; STORE LONG FRAC 1 IN R2
U 1674, 0010,0038,0180,FA90,0000,1675 :40846
:40847
:40848 R[R3]_Q,RETURN1 ; STORE LONG FRAC 2 IN R3
U 1675, 0001,203E,0180,FA98,0000,0001 :40849
:40850 POLYH.F: ;
U 1676, 0818,0038,6580,FA70,0000,1678 :40851 LAB_R[SP],D_KC.10] ; NEED TO RESTORE SP
:40852
:40853
:40854 ALU_LA+KC.10],R[SP]_ALU, ; IT'S DONE
U 1678, 0018,1A14,6580,FAF0,2000,165B :40855 CLR.FPD,PSL.Z? ; CLEAR FPD-FLAG IN PSL
:40856
:40857 =1011 ;1011
U 165B, 0003,003C,0180,FAA0,0000,13C3 :40858 POLYH.20.R[R4]_0,J/POLY.0 ; CLEAN UP R4
:40859
:40860 ;1111
U 165F, 0003,003C,0180,FA80,0000,1679 :40861 R[R0]_0 ; CLEAN UP FOR DIRTY ZERO
:40862
:40863
:40864 R[R1]_0
U 1679, 0003,003C,0180,FA88,0000,167A :40865
:40866
:40867 R[R2]_0
U 167A, 0003,003C,0180,FA90,0000,167B :40868
:40869
:40870 R[R3]_0,J/POLYH.20
U 167B, 0003,003C,0180,FA98,0000,165B :40871

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```
:40872 .TOC " G & H floating point : H-format floating EMOD"  
:40873  
:40874 ; Enter here from specifier evaluation routine.  
:40875 ;  
:40876  
:40877 -----;  
:40878 EMODH.POLYH:  
:40879 D,Q, ; D GETS OP1 LONG FRAC1  
:40880 Q_ID[T3], ; Q GETS OP1 LONG FRAC3  
U 1680, 0C00,003C,CDF0,2D18,0000,1681 :40881 LC_RC[T3] ; LATCH OP1 LONG FRAC2  
:40882  
:40883 -----;  
:40884 ID[T0]_D, ; STORE LONG FRAC1 IN T0  
:40885 RC[T1]_LC, ; RC1 GETS LONG FRAC2  
U 1681, 0C10,1B38,C180,3D88,0000,194D :40886 D,Q,  
:40887 IR0? ; IS IT EMOD OR POLY ?  
:40888  
:40889 -----;  
:40890 =01101 ; BRANCH ON IR<0>  
:40891 ;01101-----; EMODH  
U 194D, 0000,003C,C580,3C00,0000,194B :40892 ID[T1] D, ; STORE LONG FRAC3 IN T2  
:40893 J/EMODH  
:40894  
:40895 ;01111-----; POLYH  
U 194F, 0000,003D,C580,3C00,0000,037E :40896 ID[T1] D, ; STORE LONG FRAC3 IN T2  
:40897 CALL,J7SPEC ; EVALUATE DEGREE  
:40898  
:40899 ;RETURN WITH:  
:40900 ; RC0-T1 = OP1  
:40901 ; D = DEGREE  
:40902  
:40903 =11111 ;11111-----; EXECUTION TIME FOR POLYH  
U 195F, 0000,003F,0180,F800,0000,1600 :40904 E.FORK ;  
:40905  
:40906 =0**1* ;0**1*-----; EVALUATE EXTENSION  
U 194B, 0000,003D,0180,F800,0000,167E :40907 EMODH: CALL,J/SPECE ;  
:40908  
:40909 -----;  
U 195B, 0000,003F,C180,F800,0000,1600 :40910 SUB/SPEC,J/E.FORK ;  
:40911 =; END ;
```



```

:40912 1686: :-----:
:40913 ALU D.OXT[WORD],RC[6]_ALU.RIGHT, : RC6 <14:0> GETS EXTENDER
:40914 CALL, INTERRUPT.REQ?,
:40915 J/SPECG ; EVALUATE MULTIPLICAND
:40916
:40917 1696: :-----:
:40918 ;RETURN WITH:
:40919 : RC0-ID1 = OP1
:40920 : RC2-ID3 = OP2
:40921 : RC6 = EXTENSION
:40922
:40923 SET.CC(INST), ; CLEAR V AND C BITS
:40924 STATE_K[.80], ; SET NORMALIZE-BIT OF STATE
:40925 J/EMODH.1
:40926 =:END
:40927 =0**0* ;0* *0*-----:
:40928 EMODH.1:
:40929 ;EXPECTS:
:40930 ;RC)-ID1 = MULTIPLIER
:40931 ;RC)-ID3 = MULTIPLICAND
:40932 ;RC6 = EXTENDER IN LOW 15 BITS
:40933
:40934 STATE_STATE.OR.K[.3], ; SET STATE-CODE FOR EMODH
:40935 CALL,J/MULH.00
:40936
:40937 ;1**0*-----: PRODUCT = 0
:40938 =1**0* ; RETURN WITH:
:40939 ;D = Q = 0
:40940 RC[0]_Q, N&Z_ALU.V&C_0, ; RESULT IS 0
:40941 ID[5]_D, ; CLEAR THE INTEGER
:40942 J/EMODH.53
:40943
:40944 ;1**1*-----: PRODUCT NE 0
:40945 ;RETURN WITH:
:40946 : <RC0,T0,RC1,T1> NOW CONTAINS NORMALIZED FRACTION
:40947 : RC6 = BIASED EXPONENT+1
:40948 : FE = NUMBER OF LEADING 0'S IN FRACTION (BEFORE NORMALIZING)
:40949 : Q = BIASED EXP+1
:40950 : SS=SD=SIGN-BIT
:40951
:40952 ALU_Q-K[.1],RC[6]_ALU ; CORRECT EXP
:40953 =:END ;-----:

```

```

:40954
:40955 D_RCLT6], : D GETS BIASSED EXP
U 1682, 0810,0038,B180,F930,0000,1821 :40956 KL.4000] : GET SLOW CONSTANT STARTED
:40957
:40958 :0***1-----:
:40959 =0***1 ALU_D-K[.4000], : UNBIAS EXPONENT
:40960 CLK_UBCC, LONG, : CLOCK IT FOR BRANCHING
U 1821, 0019,0001,B180,FAF8,0092,1A3B :40961 R[R15] ALU, SC ALU, : STORE RESULT IN SC AND R15
:40962 CALL, J7CVT.H.EMODH
:40963
:40964 :1***1-----:
:40965 :RETURN WITH:
:40966 RCO - ID1 ORIGINAL FRACTION PART
:40967 R15 = UNBIASSED EXPONENT OF FRACTION
:40968 FE = # OF LONGWORDS THAT NEED CLEARING
:40969 D = INTEGER
:40970
:40971 U_R[R15], CLK_UBCC, : CLOCK UNBIASSED EXP
:40972 D[T5]_D, : STASH AWAY THE INTEGER
U 1831, 0000,003C,D580,3E78,0092,1684 :40973 SC_ALU : SC GETS LOW 9 BITS OF EXP
:40974 =:END
:40975
:40976 SC_FE, FE_SC : SWAP EXP WITH LONGWORDS
U 1684, 0000,003C,0180,F800,0181,1688 :40977
:40978
:40979 EMODH.3: Q_ID[T1], : Q GETS FRAC3
U 1688, 0810,0C38,C5F0,2D08,0000,19F3 :40980 D_RC[T1],
:40981 SC.NE.0?
:40982
:40983
:40984 =011 :BRANCH ON SC NE 0
:40985 :011-----:
:40986 EMODH.4: SC_FE, D_RC[T0], : FINISHED SHIFTING
:40987 Q_ID[T0], : D GETS FRAC1
:40988 ALU?, : Q GETS FRA2
U 19F3, 0810,1B38,C1F0,2D00,0081,1667 :40989 J/EMODH.5 : TEST FOR NEGATIVE EXP
:40990
:40991 :111-----:
:40992 RC[T1] Q, : GET FRAC1
U 19F7, 0001,203C,C1F0,2D88,0000,1689 :40993 Q_ID[T0]
:40994
:40995
:40996 ID[T0]_D, : STORE FRAC2 IN T0
U 1689, 0F00,003C,C180,3C00,0000,168A :40997 D_0
:40998
:40999
:41000 ID[T1]_D,
U 168A, 0001,203C,C580,3D80,0000,168B :41001 RC[T0]_Q
:41002
:41003
:41004 SC_SC-K[.1],
U 168B, 0000,003C,0580,F800,0084,B688 :41005 J/EMODH.3
:41006

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```

:41007 =0111 : BRANCH ON ALU N-BIT
:41008 :0111-----:
U 1667, 0E00,003C,0180,F908,0000,168C :41009 EMODH.5:D_DAL.SC : SHIFT OUT THE INTEGER PART
:41010 LC_RC[T1],J/EMODH.50
:41011
:41012 :1111-----:
:41013 SC_K[ZERO], : EXPONENT IS NEGATIVE
:41014 Q_RC[T6] : Q GETS EXP
U 166F, 0010,0038,19C0,F930,0034,7808 :41015 J7EMODH.51
:41016 =:END
:41017 -----:
:41018 EMODH.50:FE_SHF.VAL, : FE GETS SHIFT VALUE
:41019 RC[T0]_D, : STORE NEW FRAC0
U 168C, 0C01,003C,0180,F980,011C,7690 :41020 CLK_UBCC, : CLOCK NEW FRAC0
:41021 D_Q : D GETS OLD FRAC1
:41022 -----:
U 1690, 0010,0038,01C0,F800,0000,1691 :41023
:41024 Q_LC
:41025 -----:
:41026
:41027 Q_ID[T1], : Q GETS FRAC3
U 1691, 0D00,003C,C5F0,2C00,0000,1692 :41028 D_DAL.SC
:41029 -----:
:41030
:41031 ID[T0]_D, : STORE FRAC1
U 1692, 0810,0038,C180,3C00,0000,1694 :41032 D_LC : D GETS FRAC2
:41033 -----:
:41034
:41035 D_DAL.SC : D GETS NEW FRAC2
U 1694, 0D00,003C,0180,F800,0000,1695 :41036
:41037 -----:
:41038 RC[T1]_D, : STORE IT IN RC1
U 1695, 0C01,003C,01F8,F988,0000,1698 :41039 D_Q,Q_D
:41040 -----:
:41041
:41042 SC_FE, : NEED TO CLEAR SC
U 1698, 0D18,0038,B1C0,F800,0081,1699 :41043 Q_RC[4000], : NEW EXPONENT
:41044 D_DAL.SC
:41045 -----:
:41046
:41047 SC_SC-FE, : CLEARS SC
U 1699, 0000,003C,C580,3C00,0080,B808 :41048 ID[T1]_D
:41049 -----:
  
```

```

:41050 =000***0
:41051 EMODH.51::000***0-----;
:41052 ALU_Q-K[.1],RC[6]_ALU, ; NEED TO DECREMENT EXPONENT
U 1808, 0019,2001,0580,F980,0000,15A5 :41053 CALL,J/ADH.310 ; USE ADDH-CODE TO NORMALIZE AND PACK
:41054 ; AT THIS POINT THE STATE IS:
:41055 ; RCO-ID1 = UNNORMALIZED FRACTION
:41056 ; SC = 0
:41057 ; FE = .60
:41058
:41059 =001***0
:41060 ;RETURN WITH: RCO-ID1 = PACKED FRACTION
:41061 ; ID5 = INTEGER
:41062 ; STATE =
:41063 EMODH.53::001***0-----; ENTER HERE ALSO IF PRODUCT IS 0
U 1818, 0000,003D,1980,F800,1404,647E :41064 STATE_K[ZERO], ; CLEAR STATE
:41065 CALL,J/ASPC ; EVALUATE INTEGER ADDRESS
:41066
:41067 =111***0;111***0-----; MEMORY ADDRESS
:41068 RC[2]_D, ; SAVE ADDRESS IN RC2
:41069 INTRPT_STROBE, ; STROBE FOR PENDING INTERRUPTS
U 1878, 0001,003C,0580,F990,5404,369A :41070 STATE_STATE.OR.K[.1], ; SET MEMORY BIT IN STATE
:41071 J/EMODH.11
:41072
:41073 =111***1;111***1-----;
:41074 RC[2]_RLOG.RIGHT, ; RC2 GETS REGISTER NUMBER
:41075 INTRPT_STROBE, ; STROBE FOR PENDING INTERRUPTS
U 1879, 0040,0038,0180,F990,5C00,169A :41076 J/EMODH.11
:41077 =;END
:41078
:41079 EMODH.11:Q_ID[CES],PSL.V? ; TEST FOR INT OVERFLOW
U 169A, 0000,1A3C,31F0,2C00,0000,15CD :41080
:41081 =1101 ;1101-----;
:41082 J/EMODH.12 ; NO OVERFLOW,CONTINUE
:41083
:41084 ;1111-----;
U 15CD, 0000,003C,C180,F800,0000,188A :41085 Q_D,D_Q.OR.K[.10] ; OVERFLOW,ADJUST CES
:41086
:41087
U 169B, 0C00,003C,3180,3C00,0000,188A :41088 ID[CES]_D,D_Q ; RFLOAD CES
:41089

```

```

:41090 =00****0
:41091 EMOUH.12:
:41092 ;00****0-----:
:41093 INTERRUPT.REQ?, : TEST FOR INTERRUPTS
:41094 CALL,J/ASPCG : EVALUATE FRACTION ADDRESS
:41095
:41096 =11****0;11****0-----: MEMORY OPERAND
:41097 RC[5] D, : SAVE FRACTION ADDRESS IN RC5
:41098 Q D,K[.F], : FOR ADDRESS
:41099 D[BYTE] CACHE.WCHK, : READ LCW BYTE WITH WRITE CHECK
:41100 J/EMOUD.14
:41101
:41102 =11****1;11****1-----:
:41103 RC[5] RLOG.RIGHT, : SAVE REGISTER NUMBER IN RC5
:41104 J/EMOUD.15 : STORE INTEGER PART
:41105 =;END
:41106
:41107 EMOUH.14:ALU_Q+K[.F],VA_ALU : GENERATE ADDRESS OF HIGH END
:41108
:41109
:41110 D[BYTE] CACHE.WCHK, : PROBE HIGH END
:41111 STATE.STATE.OR.K[.2], : SET FRACT-MEMORY BIT OF STATE
:41112 J/EMOUD.15 : GO AND STORE INTEGER PART
:41113
:41114
:41115 EMOUH.15:SC RC[2](EXP), : SC GETS REGISTER NUMBER
:41116 VA RC[2], : VA GETS MEMORY ADDRESS
:41117 Q ID[5], : Q GETS INTEGER
:41118 STATE? : IS IT MEMORY OR REGISTER ?
:41119
:41120
:41121 =1111) ;BRANCH ON STATE<0>
:41122 .1110-----:
:41123 R(SC) Q, : STORE INTEGER
:41124 J/EMOUD.16 : NOW STORE FRACTION
:41125
:41126 ;1111-----:
:41127 D Q, : D GETS INTEGER
:41128 VA_RC[2]
:41129
:41130
:41131 CACHE D[LONG], : WRITE INTEGER IN MEMORY
:41132 J/EMOUD.16 : NOW STORE FRACTION
:41133
  
```

```
:41134 WRITE.HUGE.SUBR:  
:41135 :EXPECTS:  
:41136 : VA = ADDRESS+.F  
:41137 : D = ADDRESS  
:41138 : RCO-ID1 = DATA  
:41139 : RCS = ADDRESS  
:41140 -----  
U 16A2, 0010,8038,01C0,5100,0000,16A3 :41141 Q RC[T0], : Q GETS LONG EXP  
:41142 D[BYTE]_CACHE.WCHK : READ FAR END WITH WRITE-CHECK  
:41143 -----  
:41144 -----  
U 16A3, 0C10,0038,C1F0,2D28,0200,16A4 :41145 WRITE.HUGE.SUBR.0:D_Q, : D GETS DATA  
:41146 VA RC[T5], : VA GETS ADDRESS  
:41147 Q_ID[T0]  
:41148 -----  
:41149 -----  
U 15A4, 0000,003C,0180,3000,0000,16A5 :41150 WRITE.HUGE.SUBR.1:  
:41151 CACHE_D[LONG]  
:41152 -----  
:41153 -----  
U 16A5, 0C00,003C,C5F0,2C03,0000,16A6 :41154 VA_VA+4,D_Q,Q_ID[T1]  
:41155 -----  
:41156 -----  
U 16A6, 0000,003C,0180,3000,0000,16A8 :41157 CACHE_D[LONG]  
:41158 -----  
:41159 -----  
U 16A8, 0810,0038,C180,F90B,0000,16A9 :41160 VA_VA+4,D_RC[T1]  
:41161 -----  
:41162 -----  
U 16A9, 0000,003C,0180,3000,0000,16AA :41163 CACHE_D[LONG]  
:41164 -----  
:41165 -----  
U 16AA, 0C00,003E,D5F0,2C03,0000,0020 :41166 VA_VA+4,D_Q,Q_ID[T5],  
:41167 RETURN[20]  
:41168 -----  
:41169 -----  
U 16AB, 0010,1738,0180,F928,0283,18CD :41170 EMODH.16:SC RC[T5](EXP),  
:41171 VA RC[T5], : GET FRACTION ADDRESS  
:41172 STATE1? : MEMORY OR REGISTER ?  
:41173 -----  
:41174 =0*1101 :0*1101-----  
:41175 LC RC[T0],  
U 18CD, 0000,003D,0180,F900,0000,16AC :41176 CALL,J/WRITE.HUGE.REG.SUBR  
:41177 -----  
:41178 :0*1111-----  
:41179 Q RC[T0],  
U 18CF, 0010,0039,01C0,F900,0000,16A3 :41180 CALL,J/WRITE.HUGE.SUBR.0  
:41181 -----  
:41182 =1*1101 :1*1101-----  
U 18ED, 0000,003C,0180,F804,4000,0062 :41183 EMODH.20:PC_PC+1,CLR.IB.OPC,J/IRD  
:41184 -----  
:41185 -----  
U 18EF, 0000,003C,0180,3000,0000,18ED :41186 CACHE_D[LONG],  
:41187 J/EMODH.20  
:41188 =;END :-----
```

```

:41189 WRITE.HUGE.REG.SUBR:
:41190 ;EXPECTS:
:41191 ; SC = 1. REGISTER NUMBER
:41192 ; LC = RC[0]
:41193 -----;
U 16AC, 0010,0038,C1F0,2CE8,0080,D6AD :41194 R(SC)_LC,SC_SC+1,
:41195 Q_ID[0]
:41196 -----;
:41197 ;
U 16AD, 0001,203C,0180,F8E8,0000,16AE :41198 R(SC)_Q
:41199 -----;
:4200 ;
:4201 WRITE.H.REG.SUBR.1:
:4202 ; ENTER HERE FROM ACBH-ROUTINE
U 16AE, 0000,003C,C5F0,2D08,0080,D6B0 :4203 LC_RCC[1],SC_SC+1,Q_ID[1]
:4204 -----;
:4205 ;
U 16B0, 0010,0038,0180,F8E8,0080,D6B1 :4206 R(SC)_LC,SC_SC+1
:4207 -----;
:4208 ;
:4209 R(SC)_Q,
U 16B1, 0001,203E,D5F0,2CE8,0000,0020 :4210 Q_ID[5], ; NEEDED FOR LATER USE
:4211 RETURN[20]
:4212 -----;

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:41213 .IOC " G & H floating point : ACBH -- ADD COMPARE AND BRANCH H-FORMAT"

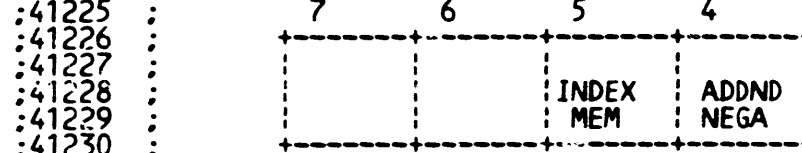
:41214  
:41215 :INPUTS:

RC0-ID1 = LIMIT, REFERRED TO AS L0-L3  
RC2-ID3 = ADDEND (=A0-A3)

:41216 :  
:41217 :  
:41218 :  
:41219 :TEMPORARIES:

ID4= ADDRESS OR REGISTER NUMBER FOR INDEX  
ID5-ID8 = STORAGE FOR LIMIT  
RC7 = BRANCH ADDRESS

:41220 :  
:41221 :  
:41222 :  
:41223 :  
:41224 : STATE-REGISTER:



:41225 :  
:41226 :  
:41227 :  
:41228 :  
:41229 :  
:41230 :  
:41231 :

:41232 1484: :-----: :  
:41233 D\_RC[T0], : D GETS LIMIT LONG EXP  
:41234 STATE\_FE, : INITIALIZE STATE  
:41235 SC\_FE : AND SC

U 1484, 0810,0036,0180,F900,1481,76B2

:41236 :-----: :  
:41237 :  
:41238 Q\_D.AND.KC.3FF],CLK.UBCC : CHECK LOWER PART OF EXP FOR ZERO  
:41239 :-----: :  
:41240 :  
:41241 Q\_ID[T0],Z? : Q GETS L1

U 16B2, 0019,0034,81C0,F800,0010,16B3

:41242 :-----: :  
:41243 =0 :0-----: :  
:41244 J/ACBH.1 : EXP NOT ZERO

U 16B3, 0000,013C,C1F0,2C00,0000,1AEC

:41245 :-----: :  
:41246 :1-----: : EXP ZERO  
:41247 CHK.FLT.OPR,ALU\_RC[T0] : TEST FOR RESERVED OPERAND

U 1AEC, 00C0,003C,0180,F800,0000,16B4

:41248 :-----: :  
:41249 ACBH.1: :-----: :  
:41250 ALU\_RC[T2],SS\_ALU15, : CLOCK SS FROM ADDEND SIGN  
:41251 ID[T5]\_D,D\_Q : SAVE LIMIT EXP IN T5

U 1AED, 0010,0038,0180,F900,0800,16B4

:41252 :-----: :  
:41253 :-----: :  
:41254 ID[T6]\_D, : SAVE L1 IN T6  
:41255 D\_RC[T7] : Q GETS L2

U 16B4, 0C10,0038,D581,3D10,0000,16B5

:41256 :-----: :  
:41257 :-----: :  
:41258 Q\_ID[T1] :  
:41259 :-----: :

U 16B5, 0810,0038,D980,3D08,0000,16B8

:41260 :-----: :  
:41261 ID[T7]\_D,D\_Q :  
:41262 :-----: :  
:41263 :-----: :

U 16B8, 0000,003C,C5F0,2C00,0000,1C09

:41264 ID[T8]\_D : STORE L2 IN T7  
:41265 :-----: :

U 16B9, 0C00,003C,DD80,3C00,0000,16BA

U 16BA, 0000,003C,E180,3C00,0000,16BB



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:41266 -----:
U 16BB, 0000,003C,3DF0,2C00,0000,16BC :41267 Q_ID[PSL] :
:41268 -----:
:41269 -----:
U 16BC, 0819,2024,0980,F800,0000,16BD :41270 D_Q.ANDNOT.K[.2] :
:41271 -----:
:41272 -----:
U 16BD, 0000,003C,3D80,3C00,0000,1828 :41273 ID[PSL]_D : CLEAR V-BIT OF PSL
:41274 -----:
:41275 =01****0;01****0-----:
U 1828, 0000,0E3D,0180,F800,0000,157E :41276 INTERRUPT.REQ?, : CHECK FOR PENDING INTERRUPTS
:41277 CALL,J/ASPCG :
:41278 -----:
:41279 =11****0;11****0-----:
U 1868, 0000,003C,D180,3C00,0000,1AD9 :41280 ID[T4]_D, : SAVE INDEX ADDRESS IN T4
:41281 J/ACBH.2 :
:41282 -----:
:41283 ;11****1-----: REGISTER OPERAND
U 1869, 0840,0038,0180,F800,1C00,16C0 :41284 ALL_RLOG,D_ALU.RIGHT, : D GETS REGISTER-LOG
:41285 J/ACBH.3 : TO GET REGISTER NUMBER
:41286 =:END :
:41287 =0** :
:41288 ACBH.2: ;0**-----:
:41289 SC_K[.30], :
U 1AD9, 0010,0039,7981,F910,0084,7AC2 :41290 ALD RC[T2],SS_ALU1, : SS GETS ADDEND SIGN
:41291 CALL,J/READ.H.SUBR : SUBR TO LOAD MEMORY INTO RCO-ID1
:41292 -----:
:41293 ;1**-----:
:41294 STATE_K[.10], : SET MEMORY-BIT IN STATE
U 1ADD, 0000,123C,6580,F800,1404,762E :41295 EALU?, : TEST ADDEND SIGN
:41296 J/ACBH.4 :
:41297 =:END :
:41298 ACBH.3: ;-----: REGISTER OPERAND
:41299 SC_D(EXP)(A), : SC GETS REGISTER NUMBER
U 16C0, 000D,0038,D180,3D80,0088,76C2 :41300 ID[T4]_D, : SAVE REGISTER # IN ID4
:41301 RC[T0]_LB : STORE INDEX LONG EXP IN RCO
:41302 -----:
:41303 -----:
U 16C2, 0800,003C,0D80,F860,0084,96C3 :41304 LAB R(PRN+1),D_LA, : D GETS INDEX LONG FRAC 1
:41305 SC_SC+K[.3] :
:41306 -----:
:41307 -----:
U 16C3, 0000,003C,1980,F800,1404,76C4 :41308 STATE_K[ZERO] : CLEAR STATE
:41309 -----:
:41310 -----:
U 16C4, 0000,003C,05C0,F868,0084,B6C8 :41311 Q_R(SC) :
:41312 SC_SC-K[.1] :
:41313 -----:
:41314 -----:
U 16C8, 0C00,003C,C1C0,3C68,0000,16C9 :41315 ID[T0]_D.D_Q,Q_R(SC) :
:41316 -----:

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:41317 -----:
U 16C9, 0001,323C,C580,3D88,0000,162E :41318 RC[11]_Q,IDE[1]_D,EALU? ; BRANCH ON ADDEND SIGN
:41319 -----:
:41320 -----:
:41321 =1110 ;BRANCH ON SS
:41322 ACBH.4: ;1110-----:
U 162E, 7000,0B3C,01F0,F804,0000,1A50 :41323 Q IB.BDEST, PC PC+1, ; GET BRANCH DISPLACEMENT
:41324 IB.TEST?, J/ACBH.5 ; WAIT FOR DATA TO ARRIVE
:41325 -----:
:41326 -----:
U 162F, 7000,0B3C,75FC,F804,1404,3A50 :41327 STATE STATE.OR.K[.20], ; SET NEGATIVE ADDEND BIT
:41328 Q IB.BDEST, PC PC+1, ; GET BRANCH DISPLACEMENT
:41329 IB.TEST?, J/ACBH.5 ; WAIT FOR DATA TO ARRIVE
:41330 =:END
:41331 =00 ;00-----:
U 1A50, 0000,003D,0180,F800,0000,0E64 :41332 ACBH.5: CALL,J/IB.TBM ; REFILL TB
:41333 -----:
:41334 ;01-----:
U 1A51, 0000,003D,0180,F800,0000,0B80 :41335 CALL, J/IB.ERR ; SERVICE ERROR
:41336 -----:
:41337 ;10-----:
U 1A52, 7000,0B3C,01F0,F800,0000,1A50 :41338 Q IB.BDEST, ; GET BRANCH DISPLACEMENT
:41339 IB.TEST?, J/ACBH.5 ; KEEP LOOPING
:41340 -----:
:41341 ;11-----:
U 1A53, 0015,2010,0180,F9BC,0000,18A0 :41342 RC[7] Q+PC+1, ; CALCULATE BRANCH ADDRESS
:41343 PC PC+1, ; PC GETS INCREMENTED TWICE
:41344 CLR.IB.SPEC ; CLEAR FIRST BYTE OF BDEST
:41345 =:END
:41346 -----:
:41347 ; AT THIS POINT :
:41348 ; RC0-ID1 = INDEX
:41349 ; RC2-ID3 = ADDEND
:41350 ; RC7 = BRANCH DEST
:41351 ; ID5-ID8 = LIMIT
:41352 ; STATE REFLECTS MEMORY OPERAND AND ADDEND SIGN
:41353 ;
:41354 ; WE NOW NEED TO UNPACK OPERANDS AND ADD ADDEND TO INDEX.

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:41355 =0*000 :0*000-----:
:41356 ALU_K[.8000],SS_ALU15, :
:41357 CLR_IB.SPEC, : CLEAR 2. BYTE OF BDEST
U 18A0, D018,0039,4581,F800,0000,1578 :41358 CALL,J/UNPACKH : UNPACK INDEX AND ADDEND
:41359 :
:41360 :0*001-----: INDEX = 0, ADDEND <> 0
:41361 D_RC[2],Q_ID[2], : GET ADDEND
U 18A1, 0810,0039,C9F0,2D10,0000,1636 :41362 CALL,J/SHIFT.H : ROUTINE TO MOVE RC2-ID3 TO RCO-ID1
:41363 :
:41364 :0*010-----: ADDEND = 0, INDEX <> 0
:41365 ALU_RC[0],N&Z_ALU,WORD, : SET CC ON EXP
U 18A2, 0010,4038,0180,F900,0060,18B3 :41366 J/ACBH.50 : JUST RESTORE OLD INDEX
:41367 : DO A RETURN10 FROM THERE
:41368 :
:41369 =0*011 :0*011-----: NEITHER IS 0
:41370 :RETURN WITH:
:41371 : RCO-ID3 = FRACTION PARTS
:41372 : RC4 = OP1 EXP
:41373 : RC5 = OP2 EXP
:41374 : D = OP2 EXP BIASSED
:41375 : LC = OP1 EXP BIASSED
:41376 :
U 18A3, 0000,003D,0180,F800,0000,1953 :41377 CALL,J/ADDH.CO : CALL ADDH-ROUTEITNE FOR ADD
:41378 :
:41379 =0*100 :0*100-----: BOTH ARE 0
U 18A4, 0000,003C,7980,F800,0084,78A5 :41380 SC_K[.30] : INITIALIZE SC
:41381 :
:41382 :0*101-----:
:41383 D_0,Q_0,ALU_0(A),
U 18A5, 0F03,003D,01F8,F980,0000,1632 :41384 RC[0]_ALU, :
:41385 CALL,J/CLEAR.DIRTY.0 : CLEAR OUT RCO-ID1, RETURN10
:41386 :
:41387 =1*001 :1*001-----:
:41388 ALU_RC[0],N&Z_ALU,WORD, : SET CC ON EXP
U 18B1, 0010,4038,0180,F900,0060,18B3 :41389 J/ACBH.50 : RETURN FROM SHIFT.H-ROUTINE
:41390 :
:41391 =1*011 :1*011-----:
:41392 ACBH.50:D_RC[0],N&Z_ALU,WORD, : D GETS NEW INDEX LONG EXP
:41393 Q_ID[4], : GET ADDRESS OF INDEX IF MEMORY
U 18B3, 0810,5638,D1F0,2D00,0060,1A56 :41394 STATE4? : MEMORY OR REGISTER ?
:41395 J/ACBH.6
:41396 :
:41397 =1*101 :-----:
:41398 J/ACBH.50 : RETURN FROM CLEAR.DIRTY.0-ROUTINE
:41399 =;END
:41400 :
:41401 =10 :BRANCH ON STATE<4>
:41402 :10-----:
:41403 ALBH.6: SC_Q(EXP), : SC GETS REGISTER NUMBER
U 1A56, 0011,2038,01C0,F900,0088,76CA :41404 Q_RC[0], :
:41405 J/ACBH.9
:41406 :
:41407 :11-----:
U 1A57, 0019,2014,6180,F800,0200,1909 :41408 VA_Q+K[F] : VA GETS INDEX ADDRESS+K[F]
  
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:41409
:41410 =0***** :0*****-----;
:41411 RC[T5]_ALU,D_ALU,ALU Q, ;
U 1909, 0801,203D,0180,F9A8,0000,16A2 :41412 CALL,J7WRITE.HUGE.SUBR ; STORE RC0-ID1 IN MEMORY (RET20)
:41413
:41414 :1*****-----;
:41415 CACHE_D[LONG], ; STORE LONG FRAC 3
U 1929, 0001,203C,0180,3190,0000,1975 :41416 RC[T2]_Q,J/ACBH.8 ; MERGE WITH REG-DEST CODE
:41417 =;END
:41418 ;-----;
:41419 ACBH.9: ;
U 16CA, 0001,203C,C1F0,2CD8,0000,1955 :41420 R(PRN)_Q,Q_ID[T0] ;
:41421
:41422 =0***** :0*****-----;
:41423 SC SC+K[.1], ;
U 1955, 0001,203D,0580,F8E0,0084,96AE :41424 R(PRN+1) Q, ;
:41425 CALL,J/WRITE.H.REG.SUBR.1 ;
:41426
:41427 =1***** :1*****-----;
:41428 ACBH.8: ; ENTER HERE FROM REGISTER STORE
:41429 ; EXPECTS:
:41430 ; Q = ID[T5]
U 1975, 0001,203C,D9F0,2D90,0000,16CB :41431 Q_ID[T6], ;
:41432 RC[T2]_Q ;
:41433 =;END
:41434 ;-----;
U 16CB, 0C00,003C,E1F0,2C00,0000,16CC :41435 D_Q,Q_ID[T8] ;
:41436
:41437 ;-----;
U 16CC, 0000,003C,C980,3C00,0000,16CD :41438 ID[T2]_D ;
:41439
:41440 ;-----;
U 16CD, 0C00,003C,DDF0,2C00,0000,16D0 :41441 D_Q,Q_ID[T7] ;
:41442
:41443 ;-----;
U 16DD, 0001,203C,CD80,3D98,0000,16D1 :41444 RC[T3]_Q,ID[T3]_D ;
:41445
:41446 ;-----;
:41447 STATE STATE.ANDNOT.K[.10], ; CLEAR STATE<4>
U 16D1, 0810,0038,6581,F900,1404,56D2 :41448 D_RC[T0], ; GET INDEX LONG EXP
:41449 SS_ALU15 ; SS GETS SIGN OF INDEX
:41450
:41451 ;-----;
U 16D2, 0010,0038,0185,F910,0000,16D3 :41452 ALU_RC[T2], ;
:41453 SS_SS.XOR.ALU15&SD_ALU15 ; XOR SIGNS OF INDEX AND LIMIT
:41454
    
```

```
U 16D3, 0000,123C,0180,F800,0000,164E :41455 :-----:
:41456 SS? : SIGNS SAME OR DIFFERENT?
:41457
:41458 :1110-----:
U 164E, 0000,003C,0180,F800,0000,1A60 :41459 =1110 J/ACBH.80 : SAME,GO DO CMPH
:41460
:41461 :1111-----:
U 164F, 0010,4038,0180,F900,0010,16D4 :41462 ALU_RC[T0],WORD,CLK.UBCC : NOT SAME,CONTINUE TEST
:41463
:41464 :-----:
U 16D4, 0000,1B3C,0180,F800,0000,16A7 :41465 ALU.N?,J/ACBH.7 : IF INDEX POS,COMP STATE BIT 5
:41466
:41467 =00 :00-----:
:41468 ACBH.80:ALU_D.ANDNOT.K[.8000], : ISOLATE EXPONENT
:41469 CLK.UBCC,WORD,
U 1A60, 0019,4025,4580,F800,0010,1548 :41470 CALL,J/CMPH.S : CALL COMPARE HUGE SUBROUTINE
:41471
:41472 :01-----:
U 1A61, 0810,0038,0180,F900,0000,16D5 :41473 D_RC[T0],J/ACBH.X : ABS(INDEX) > ABS(LIMIT) OR LIM=ZERO
:41474
:41475 :10-----:
U 1A62, 2010,0038,0180,F939,4200,00AB :41476 PC&VA_RC[T7],FLUSH.IB,J/IB.FILL : INDEX = LIMIT
:41477 BRANCH
:41478 :11-----:
:41479 STATE_STATE+K[.20], : ABS(INDEX) < ABS(LIMIT)
U 1A63, 0000,1A3C,7580,F800,1404,96A7 :41480 PSL.N? : COMPLEMENT ADDEND SIGN-BIT
:41481 =;END : TEST SIGN OF INDEX
:41482 :-----:
:41483 =0111 : BRANCH ON PSL N-BIT
:41484 :0111-----:
U 16A7, 0000,003C,7580,F800,1404,96AF :41485 ACBH.7: STATE_STATE+K[.20] : COMPLEMENT ADDEND SIGN-BIT AGAIN
:41486
:41487 :1111-----:
U 16AF, 0000,163C,0180,F800,0000,18AC :41488 STATE7-4? : BRANCH ON ADDEND SIGN-BIT
:41489 =;END
:41490 :-----:
:41491 =110* : BRANCH ON STATE<5>
:41492 :110*-----:
U 18AC, 2010,0038,0180,F939,4200,00AB :41493 PC&VA_RC[T7],FLUSH.IB,J/IB.FILL : BRANCH
:41494
:41495 :111*-----:
U 18AE, C000,003C,0180,F804,4000,0062 :41496 CLR.IB.OPC, PC_PC+1, J/IRD : DO NOT BRANCH
:41497 =;END
:41498 :-----:
U 16D5, 0011,4030,0180,F910,0010,16D8 :41499 ACBH.X: ALU_D.OR.RC[T2],CLK.UBCC,WORD : SEE IF BOTH LIM,INDEX ARE ZERO
:41500
:41501 :-----:
U 16D8, 0000,013C,0180,F800,0000,1AF0 :41502 Z?
:41503
:41504 =0 :0-----:
U 1AF0, 0000,1A3C,0180,F800,0000,16A7 :41505 PSL.N?,J/ACBH.7 : NOT ZERO CONTINUE
:41506
:41507 :1-----:
U 1AF1, 2010,0038,0180,F939,4200,00AB :41508 PC&VA_RC[T7],FLUSH.IB,J/IB.FILL : BOTH ZERO, BRANCH
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|              |         |         |         |         |         |       |       |
|--------------|---------|---------|---------|---------|---------|-------|-------|
| ACBH.7       | 41465   | 41485 # | 41505   |         |         |       |       |
| ACBH.8       | 41416   | 41428 # |         |         |         |       |       |
| ACBH.80      | 41459   | 41468 # |         |         |         |       |       |
| ACBH.9       | 41405   | 41419 # |         |         |         |       |       |
| ACBH.X       | 41473   | 41499 # |         |         |         |       |       |
| ACLAS7       | 27239 # |         |         |         |         |       |       |
| ACCLASS      | 26619 # |         |         |         |         |       |       |
| ACLPC        | 26625 # |         |         |         |         |       |       |
| ADA.1        | 8179    | 8188 #  |         |         |         |       |       |
| ADA.2        | 8189    | 8195 #  |         |         |         |       |       |
| ADAWI        | 8175 #  |         |         |         |         |       |       |
| ADD1         | 20734   | 20746 # | 20895   |         |         |       |       |
| ADD2         | 20749   | 20754   | 20758 # |         |         |       |       |
| ADDD         | 11226 # |         |         |         |         |       |       |
| ADDD.10      | 11276   | 11298 # | 13945   | 13950   |         |       |       |
| ADDD.14      | 11312 # | 11391   | 11405   |         |         |       |       |
| ADDD.16      | 11319 # |         |         |         |         |       |       |
| ADDD.20      | 11365   | 11373 # |         |         |         |       |       |
| ADDD.21      | 11340   | 11345   | 11383 # |         |         |       |       |
| ADDD.22      | 11357   | 11388 # |         |         |         |       |       |
| ADDD.23      | 11353   | 11393 # |         |         |         |       |       |
| ADDD.24      | 11349   | 11397 # |         |         |         |       |       |
| ADDD.25      | 11361   | 11402 # |         |         |         |       |       |
| ADDD.26      | 11317   | 11409 # |         |         |         |       |       |
| ADDD.27      | 11418   | 11425 # |         |         |         |       |       |
| ADDD.30      | 11324   | 11432 # |         |         |         |       |       |
| ADDD.31      | 11369   | 11427   | 11463 # | 11472   | 11479   | 11483 | 13236 |
| ADDD.32      | 11441   | 11449 # |         |         |         |       |       |
| ADDD.33      | 11458   | 11474 # |         |         |         |       |       |
| ADDD.36      | 11466   | 11486 # |         |         |         |       |       |
| ADDD.6       | 3851    | 11275 # | 12639   |         |         |       |       |
| ADDD.8       | 4629    | 11272   | 112PJ # |         |         |       |       |
| ADDD.A       | 11130 # | 11165   |         |         |         |       |       |
| ADDD.M       | 11207 # | 11636   | 35393   |         |         |       |       |
| ADDD.P       | 11208   | 11214 # | 11598   | 34835   | 35350   |       |       |
| ADDD.R       | 11134 # | 11174   | 11185   |         |         |       |       |
| ADDD.S       | 11138   | 11204   | 11233   | 11259 # |         |       |       |
| ADDF         | 10158 # | 10196   |         |         |         |       |       |
| ADDF.A       | 10272 # |         |         |         |         |       |       |
| ADDF.DA      | 10292 # | 10298   | 10602   | 10719   |         |       |       |
| ADDF.DB      | 10224 # | 10231   |         |         |         |       |       |
| ADDF.DE      | 10300 # | 10306   |         |         |         |       |       |
| ADDF.DN      | 10171 # | 10178   | 10189   |         |         |       |       |
| ADDF.DX      | 6549    | 6579    | 10256 # | 10263   | 10567   | 10676 |       |
| ADDF.PK      | 10360   | 10392   | 10402   | 10414 # | 10423   |       |       |
| ADDF.SH      | 10323   | 10350 # | 12411   | 13552   | 13556   |       |       |
| ADDF.X       | 10163   | 10215   | 10247   | 10283   | 10315 # | 10333 |       |
| ADDG         | 34843 # |         |         |         |         |       |       |
| ADDG.10      | 34923   | 34958 # | 36361   | 37795   |         |       |       |
| ADDG.100     | 34966   | 35055 # |         |         |         |       |       |
| ADDG.100.R10 | 35064 # |         |         |         |         |       |       |
| ADDG.14      | 34972   | 35095 # | 35117   | 35129   |         |       |       |
| ADDG.16      | 35102 # |         |         |         |         |       |       |
| ADDG.21      | 35070   | 35076   | 35109 # |         |         |       |       |
| ADDG.22      | 35082   | 35112 # |         |         |         |       |       |



|                  |       |       |       |       |       |       |       |       |       |       |       |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ADDG.23          | 35004 | 35119 | #     |       |       |       |       |       |       |       |       |
| ADDG.24          | 35000 | 35122 | #     |       |       |       |       |       |       |       |       |
| ADDG.25          | 35010 | 35126 | #     |       |       |       |       |       |       |       |       |
| ADDG.26          | 35100 | 35131 | #     |       |       |       |       |       |       |       |       |
| ADDG.27          | 35141 | 35148 | #     |       |       |       |       |       |       |       |       |
| ADDG.30          | 35106 | 35154 | #     |       |       |       |       |       |       |       |       |
| ADDG.31          | 35023 | 35029 |       | 35092 | 35151 | 35193 | #     | 35202 | 35212 | 35216 | 36711 |
| ADDG.32          | 35165 | 35171 |       | 35175 | #     |       |       |       |       |       |       |
| ADDG.33          | 35185 | 35205 | #     |       |       |       |       |       |       |       |       |
| ADDG.36          | 35196 | 35224 | #     |       |       |       |       |       |       |       |       |
| ADDG.37          | 35050 | 35237 | #     |       |       |       |       |       |       |       |       |
| ADDG.38          | 35249 | 35257 | #     |       |       |       |       |       |       |       |       |
| ADDG.6           | 34918 | #     |       |       |       |       |       |       |       |       |       |
| ADDG.8           | 34903 | 34928 | #     | 38697 |       |       |       |       |       |       |       |
| ADDG.S           | 34831 | 34852 |       | 34887 | #     |       |       |       |       |       |       |
| ADDH.00          | 38704 | #     | 40735 | 41377 |       |       |       |       |       |       |       |
| ADDH.01          | 38709 | 38719 | #     |       |       |       |       |       |       |       |       |
| ADDH.10          | 38722 | 38726 | #     |       |       |       |       |       |       |       |       |
| ADDH.100         | 38729 | 38746 |       | 38756 | #     | 38779 |       |       |       |       |       |
| ADDH.101         | 38751 | 38761 | #     |       |       |       |       |       |       |       |       |
| ADDH.13          | 38853 | 38860 | #     |       |       |       |       |       |       |       |       |
| ADDH.14          | 38872 | 38878 |       | 38883 | #     |       |       |       |       |       |       |
| ADDH.310         | 37193 | 38784 |       | 38819 |       | 38822 | 38891 | #     | 39408 | 40831 | 41053 |
| ADDH.311         | 38904 | #     | 38941 |       |       |       |       |       |       |       |       |
| ADDH.312         | 38924 | 38933 | #     |       |       |       |       |       |       |       |       |
| ADDH.36          | 38913 | 38950 | #     |       |       |       |       |       |       |       |       |
| ADDH.361         | 38967 | 38974 | #     |       |       |       |       |       |       |       |       |
| ADDH.37          | 38992 | #     |       |       |       |       |       |       |       |       |       |
| ADDH.380         | 39007 | #     | 39915 |       |       |       |       |       |       |       |       |
| ADDH.39          | 39012 | #     |       |       |       |       |       |       |       |       |       |
| ADDH.390         | 39049 | 39055 | #     |       |       |       |       |       |       |       |       |
| ADDH.EQUAL       | 38734 | 38791 | #     |       |       |       |       |       |       |       |       |
| ADDH.ROUTINE     | 38652 | 38674 |       | 38682 | #     |       |       |       |       |       |       |
| ADDH.SUBR        | 38772 | 38804 |       | 38824 | #     |       |       |       |       |       |       |
| ADDH.SUBR.0      | 38770 | #     | 38791 |       |       |       |       |       |       |       |       |
| ADDH.SUBR.1      | 38836 | #     | 38883 |       |       |       |       |       |       |       |       |
| ADDSUB           | 6622  | 6626  |       | 20690 | #     | 20817 | 20830 | 20833 | 20843 | 20850 | 20853 |
| ADDSUB.RESTART   | 23328 | #     |       |       |       |       |       |       |       |       |       |
| ADS.EN           | 20688 | 20695 | #     | 23355 |       |       |       |       |       |       |       |
| ADS.I1           | 20624 | 20628 | #     |       |       |       |       |       |       |       |       |
| ADS.I2           | 20648 | 20650 | #     |       |       |       |       |       |       |       |       |
| ADS.IN           | 20611 | #     |       |       |       |       |       |       |       |       |       |
| ADS.MEMORY.FAULT | 4470  | 20925 |       | 23312 | #     |       |       |       |       |       |       |
| ADSU.RE2         | 23342 | #     | 23346 |       |       |       |       |       |       |       |       |
| ADSU.RE3         | 23343 | 23348 | #     |       |       |       |       |       |       |       |       |
| ADSU.RE4         | 23351 | 23355 | #     |       |       |       |       |       |       |       |       |
| ALO              | 10352 | 10374 | #     | 10380 |       |       |       |       |       |       |       |
| AL1              | 10368 | 10382 | #     | 10388 |       |       |       |       |       |       |       |
| ALN.00           | 35308 | 35314 | #     |       |       |       |       |       |       |       |       |
| ALN.01           | 11565 | 11573 | #     |       |       |       |       |       |       |       |       |
| ALNNEG           | 11310 | 11335 |       | 11539 | #     |       |       |       |       |       |       |
| ALNNEG G         | 34995 | 35061 |       | 35287 | #     |       |       |       |       |       |       |
| ALNNEG H         | 38764 | 38797 |       | 38815 |       | 39065 | #     |       |       |       |       |
| ALNPOS           | 11303 | 11329 |       | 11548 | #     |       |       |       |       |       |       |
| ALNPOS G         | 34990 | 35057 |       | 35297 | #     |       |       |       |       |       |       |

|            |         |         |         |         |       |
|------------|---------|---------|---------|---------|-------|
| ALNPOSH    | 38758   | 39126 # | 39220   |         |       |
| ALNPOSH.1  | 39143   | 39196 # |         |         |       |
| ALNPOSH.2  | 39198   | 39227 # |         |         |       |
| AOB        | 8590 #  |         |         |         |       |
| AOB.1      | 8601 #  | 8608    |         |         |       |
| AOB.2      | 7957    | 8620 #  |         |         |       |
| AOB.R      | 7927 #  |         |         |         |       |
| AOB.R1     | 7940 #  | 7947    |         |         |       |
| AR.PA.29   | 4575    | 9533 #  |         |         |       |
| ARITH      | 26466   | 28034 # |         |         |       |
| AS.PA.30   | 4608    | 14357 # |         |         |       |
| AS0        | 20697   | 20705 # |         |         |       |
| AS1        | 20717 # |         |         |         |       |
| AS2        | 20722 # |         |         |         |       |
| AS20       | 20725   | 20727 # |         |         |       |
| AS21       | 20733 # |         |         |         |       |
| AS3        | 20758   | 20775   | 20779 # |         |       |
| AS4        | 20787 # |         |         |         |       |
| AS8        | 20808   | 20814   | 20817 # |         |       |
| AS9        | 20827   | 20837 # |         |         |       |
| ASF1       | 20701   | 21078 # |         |         |       |
| ASF1.X     | 21085 # |         |         |         |       |
| ASF3       | 21088   | 21096   | 21100 # |         |       |
| ASF4       | 21071   | 21074   | 21105 # |         |       |
| ASF6       | 21107   | 21110   | 21125   | 21130 # |       |
| ASF7       | 21101   | 21118   | 21131   | 21145 # |       |
| ASF8       | 21105   | 21141   | 21149 # |         |       |
| ASH        | 26802 # |         |         |         |       |
| ASH.F2     | 22694   | 22701 # |         |         |       |
| ASH.I1     | 22715 # |         |         |         |       |
| ASH.I10    | 22505   | 22509 # |         |         |       |
| ASH.I3     | 22512   | 22516   | 22519 # |         |       |
| ASH.W0     | 22595 # | 22656   |         |         |       |
| ASH.W1     | 22600 # | 22653   |         |         |       |
| ASH7       | 27366 # | 27375   |         |         |       |
| ASHC       | 26807 # |         |         |         |       |
| ASHC7      | 27415 # | 27424   |         |         |       |
| ASHC70     | 27450   | 27460 # | 27472   |         |       |
| ASHC71     | 27471 # | 27479   |         |         |       |
| ASHCU      | 26808   | 27419 # |         |         |       |
| ASHCV      | 27432   | 27435 # |         |         |       |
| ASHCW      | 27420   | 27427 # |         |         |       |
| ASHCX      | 27445   | 27453 # |         |         |       |
| ASHCXX     | 27449 # | 27457   |         |         |       |
| ASHCY      | 27440   | 27475 # |         |         |       |
| ASHL       | 8335 #  |         |         |         |       |
| ASHL.1     | 8345    | 8354 #  | 8403    |         |       |
| ASHL.2     | 8366    | 8381 #  |         |         |       |
| ASHL.4     | 8360    | 8402 #  |         |         |       |
| ASHP.E     | 22523   | 22582 # | 22646   |         |       |
| ASHP.E1    | 22528 # | 22583   | 22644   | 22675   | 22679 |
| ASHP.E2    | 22543   | 22548 # |         |         |       |
| ASHP.ECO.1 | 5483    | 5491 #  | 5499    | 5509    |       |
| ASHP.ECO.2 | 5488    | 5505 #  |         |         |       |
| ASHP.FIN   | 22612   | 22693 # |         |         |       |





|               |         |         |         |         |       |       |         |       |  |
|---------------|---------|---------|---------|---------|-------|-------|---------|-------|--|
| CHK10         | 6239 #  | 6248    |         |         |       |       |         |       |  |
| CHK11         | 6237    | 6247 #  |         |         |       |       |         |       |  |
| CHK20         | 6287    | 6296 #  |         |         |       |       |         |       |  |
| CHK21         | 6294    | 6299 #  |         |         |       |       |         |       |  |
| CHM           | 28215 # |         |         |         |       |       |         |       |  |
| CHM.1         | 28223   | 28232 # |         |         |       |       |         |       |  |
| CHM.2         | 28234   | 28241 # |         |         |       |       |         |       |  |
| CHM.4         | 28264   | 28272 # |         |         |       |       |         |       |  |
| CHM.5         | 28266 # | 28279   | 28283   | 28287   | 28291 |       |         |       |  |
| CHM.6         | 28269   | 28294 # |         |         |       |       |         |       |  |
| CHM.8         | 28317   | 28322   | 28383 # |         |       |       |         |       |  |
| CHUCK.FPD.RTN | 23275 # |         |         |         |       |       |         |       |  |
| CKDIFO        | 10109   | 10119 # |         |         |       |       |         |       |  |
| CLEAR.DIRTY.0 | 38716   | 38930   | 39297   | 39598   | 39605 | 39629 | 40140 # | 41385 |  |
| CLR           | 7541 #  |         |         |         |       |       |         |       |  |
| CLR.ACC       | 14093   | 14115 # |         |         |       |       |         |       |  |
| CLR.CES       | 27926   | 28023 # |         |         |       |       |         |       |  |
| CLRCC         | 26490 # |         |         |         |       |       |         |       |  |
| CLRH          | 40150 # |         |         |         |       |       |         |       |  |
| CLRPSLCC      | 15720 # | 15728   | 16186   | 16730   | 17433 |       |         |       |  |
| CLRQ          | 7536 #  |         |         |         |       |       |         |       |  |
| CMBPT         | 28133 # |         |         |         |       |       |         |       |  |
| CMENT         | 28143 # |         |         |         |       |       |         |       |  |
| CMFAULT       | 28130   | 28135   | 28140   | 28145   | 28150 | 28155 | 28163 # |       |  |
| CMIL          | 28153 # |         |         |         |       |       |         |       |  |
| CMIOT         | 28138 # |         |         |         |       |       |         |       |  |
| CMODD         | 28158 # |         |         |         |       |       |         |       |  |
| CMP           | 8292 #  |         |         |         |       |       |         |       |  |
| CMP.I         | 18955   | 18970 # |         |         |       |       |         |       |  |
| CMP.R         | 7908 #  |         |         |         |       |       |         |       |  |
| CMP.RESTART   | 23425 # |         |         |         |       |       |         |       |  |
| CMP.SGN       | 19183   | 19188 # |         |         |       |       |         |       |  |
| CMP.SGN.0     | 19168   | 19176 # |         |         |       |       |         |       |  |
| CMP.SGN.00    | 19157   | 19160   | 19164 # |         |       |       |         |       |  |
| CMP.SGN.1     | 19190   | 19197 # | 19202   | 19208   |       |       |         |       |  |
| CMP.SGN.2     | 19193   | 19206 # |         |         |       |       |         |       |  |
| CMP3L1        | 19068 # |         |         |         |       |       |         |       |  |
| CMP3L10       | 19003   | 19073 # |         |         |       |       |         |       |  |
| CMP3L2        | 19026   | 19076   | 19081   | 19085 # |       |       |         |       |  |
| CMP3L3        | 19087   | 19094 # |         |         |       |       |         |       |  |
| CMP3L4        | 5638    | 19047   | 19100 # |         |       |       |         |       |  |
| CMP3LP        | 19062 # | 19103   |         |         |       |       |         |       |  |
| CMP40         | 18991   | 18995 # |         |         |       |       |         |       |  |
| CMP41         | 19006   | 19010 # | 19021   |         |       |       |         |       |  |
| CMP410        | 19013   | 19020 # |         |         |       |       |         |       |  |
| CMP42         | 19030 # | 19044   |         |         |       |       |         |       |  |
| CMP420        | 18997   | 19033   | 19042 # |         |       |       |         |       |  |
| CMP4I1        | 18976   | 18978 # | 23446   |         |       |       |         |       |  |
| CMPC          | 16352   | 16385   | 16390   | 16401 # | 16545 | 16677 |         |       |  |
| CMPC.RDFault  | 16405 # |         |         |         |       |       |         |       |  |
| CMPC3         | 16340 # |         |         |         |       |       |         |       |  |
| CMPC5         | 16356 # |         |         |         |       |       |         |       |  |
| CMPCADJ       | 16592   | 16597   | 16601 # |         |       |       |         |       |  |
| CMPCEXIT      | 16629   | 16638 # |         |         |       |       |         |       |  |
| CMPCFILL      | 16454   | 16542 # |         |         |       |       |         |       |  |

|             |         |         |         |       |       |       |         |       |  |
|-------------|---------|---------|---------|-------|-------|-------|---------|-------|--|
| CMPCFINIS   | 16549   | 16609 # |         |       |       |       |         |       |  |
| CMPCFPD     | 16407   | 16649 # |         |       |       |       |         |       |  |
| CMPCFPD1    | 16528   | 16652 # |         |       |       |       |         |       |  |
| CMPCLP      | 16426 # | 16505 # | 16525   |       |       |       |         |       |  |
| CMPCLP.1    | 16428   | 16456 # |         |       |       |       |         |       |  |
| CMPCLP.1A   | 16445   | 16462 # |         |       |       |       |         |       |  |
| CMPCLP.2    | 16469   | 16485 # |         |       |       |       |         |       |  |
| CMPCLP.3    | 16493   | 16498 # |         |       |       |       |         |       |  |
| CMPCLP.4    | 16502 # | 16509 # |         |       |       |       |         |       |  |
| CMPCLP.5    | 16499   | 16508 # |         |       |       |       |         |       |  |
| CMPCLP.6    | 16483   | 16512 # |         |       |       |       |         |       |  |
| CMPCLP.7    | 16515   | 16518 # | 16522 # |       |       |       |         |       |  |
| CMPCLPENTRY | 16416   | 16442 # |         |       |       |       |         |       |  |
| CMPCNEQUAL  | 16439   | 16459 # | 16563 # |       |       |       |         |       |  |
| CMPCRESTART | 16661 # |         |         |       |       |       |         |       |  |
| CMPCSETFPD  | 16402   | 16410 # |         |       |       |       |         |       |  |
| CMPCSETREGS | 16620   | 16625 # | 16628 # |       |       |       |         |       |  |
| CMPCSR1BIG  | 16381   | 16388 # |         |       |       |       |         |       |  |
| CMPD        | 10780 # |         |         |       |       |       |         |       |  |
| CMPF        | 10089 # |         |         |       |       |       |         |       |  |
| CMPFIN      | 19210 # |         |         |       |       |       |         |       |  |
| CMPG        | 34312 # |         |         |       |       |       |         |       |  |
| CMPG0       | 34331 # | 34337 # |         |       |       |       |         |       |  |
| CMPG01      | 34332 # | 34339 # |         |       |       |       |         |       |  |
| CMPG1       | 34334 # | 34358 # |         |       |       |       |         |       |  |
| CMPG2       | 34359 # | 34370 # |         |       |       |       |         |       |  |
| CMPG3       | 34377 # | 34392 # |         |       |       |       |         |       |  |
| CMPG4       | 34411 # |         |         |       |       |       |         |       |  |
| CMPG5       | 34426 # | 34431 # |         |       |       |       |         |       |  |
| CMPH        | 37931 # |         |         |       |       |       |         |       |  |
| CMPH.A      | 37943 # | 37967 # |         |       |       |       |         |       |  |
| CMPH.B      | 37950 # | 37964 # |         |       |       |       |         |       |  |
| CMPH.C      | 37948 # | 37956 # |         |       |       |       |         |       |  |
| CMPH.S      | 37940 # | 37968 # | 41470   |       |       |       |         |       |  |
| CMPH0       | 37977 # | 37984 # |         |       |       |       |         |       |  |
| CMPH01      | 37979 # | 37987 # |         |       |       |       |         |       |  |
| CMPH1       | 37997 # | 38005 # |         |       |       |       |         |       |  |
| CMPH2       | 38010 # | 38013 # |         |       |       |       |         |       |  |
| CMPHL.0     | 38030 # | 38067 # |         |       |       |       |         |       |  |
| CMPHL.01    | 38038 # | 38044 # |         |       |       |       |         |       |  |
| CMPHL.02    | 38032 # | 38051 # |         |       |       |       |         |       |  |
| CMPHL.2     | 38048 # | 38057 # | 38060 # |       |       |       |         |       |  |
| CMPHL.3     | 38022 # | 38078 # |         |       |       |       |         |       |  |
| CMPSGN1     | 19016 # | 19095 # | 19105 # |       |       |       |         |       |  |
| CMPSGN1.1   | 19114 # | 19166 # |         |       |       |       |         |       |  |
| CMPSGN1.2   | 19120 # | 19125 # |         |       |       |       |         |       |  |
| CMPSGN2.2   | 19130 # | 19172 # |         |       |       |       |         |       |  |
| CMPSGN2.3   | 19136 # | 19141 # |         |       |       |       |         |       |  |
| CMPSGN21    | 19038 # | 19098 # | 19170 # |       |       |       |         |       |  |
| CMPV        | 14384 # |         |         |       |       |       |         |       |  |
| CMRSV       | 28128 # |         |         |       |       |       |         |       |  |
| CMTRAP      | 28148 # |         |         |       |       |       |         |       |  |
| CONS.CONT   | 30887 # |         |         |       |       |       |         |       |  |
| CONS.HALT   | 7302    | 26460   | 30959   | 31075 | 31091 | 31095 | 31132 # | 31146 |  |
| CONT1       | 30892   | 30896 # | 30902   |       |       |       |         |       |  |

|               |         |         |         |         |
|---------------|---------|---------|---------|---------|
| CONT2         | 30900 # |         |         |         |
| CONT3         | 30898   | 30906 # |         |         |
| CP3SB         | 19066   | 19143 # |         |         |
| CPUS          | 28009   | 28021   | 28024   | 28026 # |
| CPUST         | 27977   | 27982   | 27991   | 27993 # |
| CR.ABS.1029   | 31466   | 31469 # |         |         |
| CRC           | 31460 # |         |         |         |
| CRC.3         | 31485 # | 31571   |         |         |
| CRCEXIT       | 31509   | 31549 # |         |         |
| CRCLOOP       | 31514   | 31520 # | 31542   |         |
| CRCLOOP       | 31495 # | 31530   |         |         |
| CRCRD_TBL     | 31523   | 31533 # |         |         |
| CRCRESTART    | 18489 # |         |         |         |
| CRC_SUSPEND   | 31489   | 31492   | 31518   | 31560 # |
| CRCUNSCRAMBLE | 18520   | 31570 # |         |         |
| CRCXORBYTE    | 31504   | 31512 # |         |         |
| CVT.2         | 8265    | 8268 #  |         |         |
| CVTBF         | 11931 # |         |         |         |
| CVTBF.0       | 11938 # | 11956   |         |         |
| CVTBF.1       | 11940   | 11947 # | 11987   |         |
| CVTBG         | 37416 # |         |         |         |
| CVTBL         | 8253 #  |         |         |         |
| CVTBW         | 8252 #  |         |         |         |
| CVTDB         | 12151 # |         |         |         |
| CVTDF         | 12056 # |         |         |         |
| CVTDF.1       | 12072   | 12084 # |         |         |
| CVTDF.2       | 4158    | 12094 # |         |         |
| CVTDH         | 38223   | 38264 # |         |         |
| CVTDI         | 12153   | 12167   | 12321 # |         |
| CVTFB         | 12111 # |         |         |         |
| CVTFD         | 12038 # |         |         |         |
| CVTFD.1       | 12047 # | 12080   |         |         |
| CVTFG         | 36974 # |         |         |         |
| CVTFG.2       | 37003   | 37029 # |         |         |
| CVTFH         | 36988   | 38215 # |         |         |
| CVTFH.00      | 38219   | 38226 # |         |         |
| CVTFH.2       | 38256 # | 38261   |         |         |
| CVTFI.0       | 12115   | 12134   | 12231 # |         |
| CVTFI.1       | 12236 # | 12272   | 12996   | 13272   |
| CVTFI.2       | 12242 # | 12337   |         |         |
| CVTFI.3       | 12268   | 12274 # |         |         |
| CVTFI.4       | 12253   | 12280   | 12284   | 12296 # |
| CVTFI.5       | 12298   | 12304 # |         |         |
| CVTFX.W       | 12118 # | 12141   | 12144   |         |
| CVTGF         | 37045 # |         |         |         |
| CVTGF.0       | 37055   | 37062 # |         |         |
| CVTGF.01      | 37094 # | 37331   |         |         |
| CVTGF.1       | 37101 # | 37111   |         |         |
| CVTGF.2       | 37105   | 37116 # |         |         |
| CVTGF.3       | 37120   | 37133 # |         |         |
| CVTGF.4       | 37124   | 37128   | 37138 # |         |
| CVTGH         | 37150 # |         |         |         |
| CVTGH.W       | 37190 # | 38295   |         |         |
| CVTGI         | 37475   | 37487   | 37494 # |         |
| CVTGI.00      | 37472 # |         |         |         |





|                  |         |         |         |             |
|------------------|---------|---------|---------|-------------|
| DEC              | 8022 #  |         |         |             |
| DEC.R            | 7434 #  |         |         |             |
| DEP.PRO.REG      | 31113 # |         |         |             |
| DEP.PTE.0        | 31028 # |         |         |             |
| DEPOGR           | 31078 # |         |         |             |
| DEPOS.3          | 31034 # | 31044   |         |             |
| DEPOS.30         | 31030   | 31038 # |         |             |
| DEPOS.4          | 31040   | 31042 # |         |             |
| DEPOS.5          | 31036   | 31046 # |         |             |
| DEPOSIT          | 30988 # |         |         |             |
| DEPPTE           | 31007   | 31013   | 31019   | 31022 #     |
| DEST             | 10501 # |         |         |             |
| DF0              | 10356   | 10379 # |         |             |
| DF1              | 10372   | 10387 # |         |             |
| DIV              | 9667 #  |         |         |             |
| DIV.0            | 9749 #  | 9755    |         |             |
| DIV.2            | 9751    | 9758 #  | 9765    |             |
| DIV.3            | 9761    | 9767 #  |         |             |
| DIV.I1           | 21825   | 21828 # |         |             |
| DIV.I2           | 21840   | 21845 # |         |             |
| DIV.MEMORY.FAULT | 21893   | 21927 # |         |             |
| DIV.OV           | 9634    | 9645 #  |         |             |
| DIV.OV3          | 9692    | 9701 #  |         |             |
| DIV.R4           | 23632   | 23637   | 23644 # |             |
| DIV.R5           | 23635 # | 23646   |         |             |
| DIV.R6           | 23649   | 23653 # |         |             |
| DIV.R7           | 23656   | 23660 # |         |             |
| DIV.S            | 9621    | 9678    | 9739 #  |             |
| DIV.SAVE         | 21929   | 21932   | 23563 # |             |
| DIV.Z            | 9682    | 9711 #  |         |             |
| DIV.Z0           | 9624    | 9657 #  | 9712    |             |
| DIV00            | 9307 #  | 9316    |         |             |
| DIV0X            | 9312 #  | 9773    | 9841    | 27586 27611 |
| DIV11            | 9322 #  | 9330    |         |             |
| DIV111           | 9318 #  | 9324    |         |             |
| DIV1X            | 9326 #  | 9871    | 27599   | 27621       |
| DIV6             | 26828 # | 26832   |         |             |
| DIV7             | 27556 # |         |         |             |
| DIVBY0           | 10679   | 10757   | 11866   | 27984 #     |
| DIVC0            | 21861 # | 23629   |         |             |
| DIVC01           | 21871 # | 21915   |         |             |
| DIVC1            | 21873 # | 22334   | 23658   |             |
| DIVC10           | 21875   | 21877 # | 22341   |             |
| DIVC11           | 21890   | 21897 # |         |             |
| DIVC2            | 21897   | 21907 # |         |             |
| DIVC4            | 21912   | 21914 # |         |             |
| DIVD             | 11646 # |         |         |             |
| DIVD.04          | 11762 # | 11791   | 11799   |             |
| DIVD.06          | 11759   | 11785 # |         |             |
| DIVD.08          | 11752   | 11777   | 11793 # |             |
| DIVD.10          | 11766   | 11802 # | 11837   |             |
| DIVD.12          | 11807   | 11823 # |         |             |
| DIVD.14          | 11822   | 11831 # |         |             |
| DIVD.16          | 11834   | 11840 # |         |             |
| DIVD.20          | 11695   | 11864 # | 35461   |             |

|                  |         |         |         |         |         |       |
|------------------|---------|---------|---------|---------|---------|-------|
| DIVD.S           | 11632   | 11650   | 11686 # |         |         |       |
| DIVD0            | 21937   | 21951   | 21955 # |         |         |       |
| DIVD01           | 21969 # | 21975   |         |         |         |       |
| DIVD02           | 21971   | 21977 # |         |         |         |       |
| DIVD03           | 21981 # | 22018   |         |         |         |       |
| DIVD1            | 21983   | 21990 # | 22008   |         |         |       |
| DIVD2            | 21995   | 22003 # |         |         |         |       |
| DIVD3            | 21999   | 22013 # |         |         |         |       |
| DIVD31           | 22024   | 22029 # |         |         |         |       |
| DIVD32           | 22044 # | 22055   |         |         |         |       |
| DIVD33           | 22050   | 22054 # |         |         |         |       |
| DIVD4            | 22011   | 22022 # |         |         |         |       |
| DIVD6            | 21946   | 22060 # |         |         |         |       |
| DIVD61           | 22063   | 22067   | 22069 # |         |         |       |
| DIVDR            | 21858   | 21925 # | 23621   |         |         |       |
| DIVLE            | 26823 # |         |         |         |         |       |
| DIVERR           | 22076 # |         |         |         |         |       |
| DIVF             | 10687 # |         |         |         |         |       |
| DIVF0            | 10736 # | 10746   |         |         |         |       |
| DIVF1            | 10739   | 10748 # |         |         |         |       |
| DIVF2            | 10640 # |         |         |         |         |       |
| DIVF3            | 10657   | 10669 # |         |         |         |       |
| DIVF4            | 4346    | 10699   | 10712 # |         |         |       |
| DIVF6            | 6529    | 6536    | 10654   | 10664   | 10678 # |       |
| DIVF8            | 10696   | 10706   | 10756 # |         |         |       |
| DIVFIN           | 22357   | 22366   | 22368 # |         |         |       |
| DIVFPD           | 21925   | 21939 # |         |         |         |       |
| DIVFX            | 6546    | 10673   | 10716   | 10742 # |         |       |
| DIVG             | 35404 # |         |         |         |         |       |
| DIVG.0           | 35512   | 35521 # |         |         |         |       |
| DIVG.00          | 35526   | 35533   | 35540   | 35549 # |         |       |
| DIVG.06          | 35577 # | 35635   | 35658   |         |         |       |
| DIVG.061         | 35564   | 35582 # |         |         |         |       |
| DIVG.062         | 35596   | 35612   | 35624 # | 35714   | 35730   |       |
| DIVG.063         | 35570   | 35604   | 35620   | 35647 # | 35722   | 35738 |
| DIVG.064         | 35579   | 35663 # |         |         |         |       |
| DIVG.08          | 35628   | 35642   | 35651   | 35697 # |         |       |
| DIVG.081         | 35557   | 35701 # |         |         |         |       |
| DIVG.084         | 35698   | 35743 # |         |         |         |       |
| DIVG.16          | 35518   | 35775 # |         |         |         |       |
| DIVG.17          | 35794   | 35798   | 35801 # |         |         |       |
| DIVG.170         | 35792 # |         |         |         |         |       |
| DIVG.S           | 35389   | 35408   | 35451 # |         |         |       |
| DIVH.20          | 39290 # | 39314   |         |         |         |       |
| DIVH.ADD.LOOP.20 | 39493 # |         |         |         |         |       |
| DIVH.LOOP        | 39367   | 39376   | 39386   | 39430 # | 39525   |       |
| DIVH.LOOP.0      | 39421 # |         |         |         |         |       |
| DIVH.LOOP.1      | 39358   | 39445 # |         |         |         |       |
| DIVH.LOOP.ADD.2  | 39435   | 39482 # |         |         |         |       |
| DIVH.LOOP.ADD3   | 39480   | 39514 # |         |         |         |       |
| DIVH.S.1         | 39311   | 39317 # |         |         |         |       |
| DIVH.SUBR        | 39256   | 39273   | 39285 # |         |         |       |
| DIVM             | 27575   | 27605 # |         |         |         |       |
| DIVMM            | 27614   | 27621 # |         |         |         |       |
| DIVMP            | 27591   | 27599 # |         |         |         |       |



|                 |       |         |         |         |         |       |       |   |  |
|-----------------|-------|---------|---------|---------|---------|-------|-------|---|--|
| DVSUB           | 21901 | 21905   | 22215   | #       |         |       |       |   |  |
| DVSUB0          | 22176 | # 22208 |         |         |         |       |       |   |  |
| DVSUB01         | 5995  | 22184   | # 22223 |         |         |       |       |   |  |
| DVSUB1          | 22188 | 22207   | #       |         |         |       |       |   |  |
| DVSUB2          | 22205 | 22212   | #       |         |         |       |       |   |  |
| E.DF            | 34187 | 34189   | # 34212 |         |         |       |       |   |  |
| E.DR            | 34166 | # 34173 |         |         |         |       |       |   |  |
| E.FORK          | 33365 | 34159   | # 34252 | 40904   | 40910   |       |       |   |  |
| E.M             | 34169 | 34178   | 34190   | 34192   | # 34202 | 34206 | 34251 |   |  |
| ED.PA.98        | 7097  | 18539   | #       |         |         |       |       |   |  |
| ED.PA.98.A      | 7129  | 18533   | #       |         |         |       |       |   |  |
| EDADJIN1        | 18203 | 18209   | #       |         |         |       |       |   |  |
| EDADJIN2        | 18213 | # 18626 |         |         |         |       |       |   |  |
| EDADJIN3        | 18218 | 18235   | # 18243 |         |         |       |       |   |  |
| EDADJIN4        | 18248 | # 18293 | 18309   |         |         |       |       |   |  |
| EDADJIN5        | 18240 | 18253   | 18259   | #       |         |       |       |   |  |
| EDADJINFINI     | 18207 | 18210   | 18228   | #       |         |       |       |   |  |
| EDADJINLEFT     | 18276 | 18296   | #       |         |         |       |       |   |  |
| EDADJINNEQO     | 18287 | 18304   | 18311   | #       |         |       |       |   |  |
| EDADJINNOTO     | 18187 | 18190   | #       |         |         |       |       |   |  |
| EDADJINPSL      | 18315 | 18325   | 18328   | #       |         |       |       |   |  |
| EDADJINRIGHT    | 18271 | 18278   | #       |         |         |       |       |   |  |
| EDADJINOINT     | 18263 | 18269   | #       |         |         |       |       |   |  |
| EDADJUSTINPUT   | 17670 | 18172   | #       |         |         |       |       |   |  |
| EDBLANKO        | 17662 | 18094   | #       |         |         |       |       |   |  |
| EDBLANKONOTO    | 18099 | 18120   | #       |         |         |       |       |   |  |
| EDENDFLOAT      | 17598 | 17811   | #       |         |         |       |       |   |  |
| EDENDFLOAT1     | 17814 | 17822   | #       |         |         |       |       |   |  |
| EDEOEND         | 17593 | 17613   | 17635   | 17673   | 17692   | 17728 | 17791 | # |  |
| EDEXIT          | 18369 | # 18377 |         |         |         |       |       |   |  |
| EDFILL          | 4327  | 17699   | 18076   | #       |         |       |       |   |  |
| EDFILL1         | 18079 | # 18088 |         |         |         |       |       |   |  |
| EDFILL2         | 18084 | # 18117 |         |         |         |       |       |   |  |
| EDFILLRST       | 18114 | # 18642 |         |         |         |       |       |   |  |
| EDFLOATAMBI     | 17943 | 17952   | 17959   | #       |         |       |       |   |  |
| EDFLOATEQO      | 17982 | 17997   | # 18052 |         |         |       |       |   |  |
| EDFLOATLEFT1    | 17936 | 17942   | #       |         |         |       |       |   |  |
| EDFLOATM1       | 17905 | 17913   | #       |         |         |       |       |   |  |
| EDFLOATNOSIG    | 17990 | 18006   | #       |         |         |       |       |   |  |
| EDFLOATNOTO     | 17976 | 17986   | #       |         |         |       |       |   |  |
| EDFLOATRIGHTNIB | 17924 | 17949   | # 18665 |         |         |       |       |   |  |
| EDFLOATRSTLEFT  | 17932 | # 18669 |         |         |         |       |       |   |  |
| EDFLOATSIG      | 17994 | 17999   | 18004   | 18035   | #       |       |       |   |  |
| EDFORTY047      | 17630 | 17638   | #       |         |         |       |       |   |  |
| EDFORTY04F      | 17623 | 17629   | #       |         |         |       |       |   |  |
| EDGREATERTHAN3F | 17607 | 17616   | #       |         |         |       |       |   |  |
| EDGREATERTHAN4  | 17584 | 17606   | #       |         |         |       |       |   |  |
| EDGREATERTHAN4F | 17617 | 17672   | #       |         |         |       |       |   |  |
| EDGREATERTHAN7F | 17677 | 17684   | #       |         |         |       |       |   |  |
| EDINIT1         | 17751 | 17759   | #       |         |         |       |       |   |  |
| EDINIT2         | 17773 | 17779   | #       |         |         |       |       |   |  |
| EDINITCHARS     | 17745 | 17747   | # 18590 | 18595   |         |       |       |   |  |
| EDINSERT        | 17657 | 17879   | # 17885 |         |         |       |       |   |  |
| EDINSERTST1     | 17832 | 17882   | 17888   | # 18635 |         |       |       |   |  |
| EDITD1          | 18358 | 18364   | #       |         |         |       |       |   |  |



|              |         |         |         |         |         |         |       |         |             |
|--------------|---------|---------|---------|---------|---------|---------|-------|---------|-------------|
| EH.FAULT     | 30080   | 30555 # |         |         |         |         |       |         |             |
| EH.FLT7      | 30638   | 30647 # |         |         |         |         |       |         |             |
| EH.FLT9      | 30643   | 30654 # |         |         |         |         |       |         |             |
| EH.IBUF1     | 30176   | 30184 # |         |         |         |         |       |         |             |
| EH.IBUF3     | 30230   | 30235 # |         |         |         |         |       |         |             |
| EH.IBUF5     | 30208   | 30234   | 30246   | 30257   | 30266   | 30271 # |       |         |             |
| EH.INIT      | 30389   | 30404   | 30476 # |         |         |         |       |         |             |
| EH.INIT1     | 30498   | 30504 # |         |         |         |         |       |         |             |
| EH.INIT2     | 30517 # | 30522   |         |         |         |         |       |         |             |
| EH.INIT3     | 30513   | 30520 # |         |         |         |         |       |         |             |
| EH.PUSH      | 4391    | 30649   | 30679   | 30742 # | 30796   |         |       |         |             |
| EH.PUSH3     | 30764 # |         |         |         |         |         |       |         |             |
| EH.PUSH5     | 30697   | 30767   | 30773 # |         |         |         |       |         |             |
| EH.PUSH7     | 30787 # | 30802   |         |         |         |         |       |         |             |
| EH.PUSH8     | 4386    | 4393 #  |         |         |         |         |       |         |             |
| EH.PUSH9     | 30792   | 30800 # |         |         |         |         |       |         |             |
| EH.RDS       | 30412 # |         |         |         |         |         |       |         |             |
| EH.RT01      | 30354 # |         |         |         |         |         |       |         |             |
| EH.RT02      | 30362 # | 30416   | 30426   | 30436   |         |         |       |         |             |
| EH.RT03      | 30276   | 30366   | 30373 # |         |         |         |       |         |             |
| EH.RT07      | 30344   | 30349   | 30371   | 30395 # |         |         |       |         |             |
| EH.TBE       | 30433 # |         |         |         |         |         |       |         |             |
| EH.USEQ      | 7773    | 9099    | 14333   | 30269   | 30444 # | 33225   | 33819 | 34139   |             |
| EMOD.POLY    | 33435   | 33480 # |         |         |         |         |       |         |             |
| EMODD        | 13183 # |         |         |         |         |         |       |         |             |
| EMODD.1      | 13194   | 13197 # |         |         |         |         |       |         |             |
| EMODD.2      | 13213 # | 33135   |         |         |         |         |       |         |             |
| EMODD.3      | 13224   | 13234 # | 13261   |         |         |         |       |         |             |
| EMODD.4      | 13240   | 13257 # |         |         |         |         |       |         |             |
| EMODD.5      | 13215   | 13267 # |         |         |         |         |       |         |             |
| EMODD.6      | 13203   | 13278 # |         |         |         |         |       |         |             |
| EMODD.C.FORK | 33142 # | 33237   |         |         |         |         |       |         |             |
| EMODD.SPEC   | 33073   | 33233 # |         |         |         |         |       |         |             |
| EMODF        | 12914 # |         |         |         |         |         |       |         |             |
| EMODF.10     | 13029   | 13033   | 13035 # |         |         |         |       |         |             |
| EMODF.11     | 4132    | 9826    | 9835    | 9881    | 9894    | 13048   | 13051 | 13056 # | 13085 13279 |
| EMODF.12     | 13074   | 13081   | 13087 # |         |         |         |       |         |             |
| EMODF.14     | 13095   | 13103 # | 36799   |         |         |         |       |         |             |
| EMODF.16     | 13099   | 13111   | 13114 # | 36804   |         |         |       |         |             |
| EMODF.17     | 13117   | 13125 # |         |         |         |         |       |         |             |
| EMODF.18     | 13130 # | 13155   |         |         |         |         |       |         |             |
| EMODF.19     | 13133   | 13141 # |         |         |         |         |       |         |             |
| EMODF.2      | 12949   | 12962 # |         |         |         |         |       |         |             |
| EMODF.20     | 13122   | 13150 # |         |         |         |         |       |         |             |
| EMODF.22     | 13138   | 13158 # |         |         |         |         |       |         |             |
| EMODF.6      | 12993 # | 33043   |         |         |         |         |       |         |             |
| EMODF.7      | 12945   | 12955   | 12961   | 12998 # |         |         |       |         |             |
| EMODF.8      | 13004   | 13008 # |         |         |         |         |       |         |             |
| EMODF.9      | 13014 # |         |         |         |         |         |       |         |             |
| EMODF.V      | 13066   | 13083 # |         |         |         |         |       |         |             |
| EMODFD       | 13019   | 13046 # | 13250   | 13254   |         |         |       |         |             |
| EMODFG.11    | 36689   | 36733   | 36747 # |         |         |         |       |         |             |
| EMODFG.110   | 36755 # | 36785   |         |         |         |         |       |         |             |
| EMODFG.V     | 36727   | 36779 # |         |         |         |         |       |         |             |
| EMODG        | 33483   | 36562 # |         |         |         |         |       |         |             |















|                  |         |         |         |         |                     |
|------------------|---------|---------|---------|---------|---------------------|
| M.PXTST          | 29528 # |         |         |         |                     |
| M.RETRY          | 28552   | 28557 # |         |         |                     |
| M.SPTE           | 29675   | 29680 # |         |         |                     |
| M.SVA            | 29257   | 29273 # |         |         |                     |
| M.SYS            | 29463   | 29468   | 29556   | 29637 # |                     |
| M.SYSLT          | 29645   | 29648 # |         |         |                     |
| M.TBM.A          | 28548 # | 28635   |         |         |                     |
| M.TYPE           | 29431   | 29437   | 29443   | 29459 # |                     |
| M.UD.A           | 28675   | 28684   | 28689   | 28691 # |                     |
| M.UD.BGN         | 28655 # |         |         |         |                     |
| M.UDREF          | 28667   | 28671 # |         |         |                     |
| MAT1             | 16750   | 16757 # |         |         |                     |
| MATCHCRESTART    | 18490 # |         |         |         |                     |
| MATCHCUNSCRAMBLE | 16988 # | 18515   |         |         |                     |
| MATCHSTART       | 16758   | 16777 # |         |         |                     |
| MATDONEMATCH     | 16853   | 16946 # |         |         |                     |
| MATDONEMATCH1    | 16753   | 16961 # | 16967   |         |                     |
| MATDONENOMATCH   | 16920   | 16923 # | 16929   |         |                     |
| MATDONENOMATCH1  | 16925   | 16932 # |         |         |                     |
| MATDONENOMATCH2  | 16783   | 16928 # |         |         |                     |
| MATDONENOMATCH3  | 16828   | 16909   | 16918 # |         |                     |
| MATEQ            | 16818   | 16834 # |         |         |                     |
| MATFPD           | 16737   | 16740   | 16805   | 16871   | 16973 # 17004 17007 |
| MATIN1           | 16835   | 16843 # |         |         |                     |
| MATIN2           | 16838 # | 16878   |         |         |                     |
| MATIN3           | 3887    | 16850   | 16857 # | 17025   |                     |
| MATIN4           | 16868   | 16874 # |         |         |                     |
| MATIN5           | 3894    | 16847 # | 17029   |         |                     |
| MATNOMATCH       | 16839   | 16881 # |         |         |                     |
| MATOUT1          | 3881    | 16790 # | 17019   |         |                     |
| MATOUT2          | 16796 # | 16824   |         |         |                     |
| MATOUT3          | 16802   | 16809 # |         |         |                     |
| MATOUTERLOOP     | 16779   | 16786 # | 16906   |         |                     |
| MATUNEQ          | 16815   | 16822 # |         |         |                     |
| MCOM             | 8160 #  |         |         |         |                     |
| MFP              | 26673 # |         |         |         |                     |
| MFP7             | 27270 # |         |         |         |                     |
| MFP8             | 25519 # |         |         |         |                     |
| MFPX             | 26679 # | 26683   | 27271   |         |                     |
| MM.PA.35         | 4729    | 4733    | 4737    | 4741    | 28880 #             |
| MNEG             | 8159 #  |         |         |         |                     |
| MNEG.D           | 8220 #  |         |         |         |                     |
| MNEGF            | 8214 #  |         |         |         |                     |
| MO.PA.37         | 4820    | 26131 # |         |         |                     |
| MO.PA.38         | 4841    | 26114 # |         |         |                     |
| MO.PA.78         | 6176    | 26161 # |         |         |                     |
| MOV.RES          | 23360 # |         |         |         |                     |
| MOVB             | 26714 # |         |         |         |                     |
| MOVB1            | 27209 # |         |         |         |                     |
| MOVB1PC          | 27217 # |         |         |         |                     |
| MOVC             | 15027   | 15071 # |         |         |                     |
| MOVC.RDFAULT     | 5180    | 5189    | 15610 # | 17172   | 17187               |
| MOVC3            | 15012 # |         |         |         |                     |
| MOVC5            | 15031 # |         |         |         |                     |
| MOVC5SETUP       | 15043 # | 17076   |         |         |                     |

|                 |         |         |         |         |         |             |
|-----------------|---------|---------|---------|---------|---------|-------------|
| MOVCBCKSRC      | 15490   | 15497 # |         |         |         |             |
| MOVCBCKSRC2     | 15501   | 15509 # |         |         |         |             |
| MOVCBCKWDSMAYBE | 15099   | 15475 # |         |         |         |             |
| MOVCBCKWR1      | 15526   | 15533 # |         |         |         |             |
| MOVCBCKWRITE    | 4655    | 15520   | 15522 # | 15553   |         |             |
| MOVCBWUPDATE    | 15334   | 15341   | 15345 # |         |         |             |
| MOVCCMPCS       | 15039   | 15128 # | 16360   | 17066   |         |             |
| MOVCFB          | 15201   | 15212   | 15250   | 15261 # | 15293   |             |
| MOVCFILLBYTE    | 15363   | 15372 # |         |         |         |             |
| MOVCFILLMORE    | 6839    | 15218   | 15237   | 15358 # |         |             |
| MOVCFILLWR      | 15229   | 15244   | 15366 # | 15376   |         |             |
| MOVCFI          | 15253 # |         |         |         |         |             |
| MOVCFI          | 15092   | 15155 # | 15327   | 15589   | 15673   |             |
| MOVCFI          | 15258   | 15308 # |         |         |         |             |
| MOVCFI          | 15311   | 15382 # |         |         |         |             |
| MOVCFI          | 15116   | 15158   | 15177 # | 15350   |         |             |
| MOVCFI          | 15196   | 15246 # | 15394   |         |         |             |
| MOVCFI          | 15266 # | 15298   |         |         |         |             |
| MOVCFWRITE      | 4681    | 15273   | 15281   | 15314 # | 15369   | 15381       |
| MOVCFI          | 15161 # | 15448   |         |         |         |             |
| MOVCFI          | 15530   | 15615 # |         |         |         |             |
| MOVCFI          | 15189   | 15463   | 15564 # |         |         |             |
| MOVCFI          | 15182   | 15191 # |         |         |         |             |
| MOVCFI          | 6931    | 15163   | 15355   | 15623 # | 16496   | 16650 16653 |
| MOVCFI          | 15107 # | 15174   | 15480   | 17108   | 17203   |             |
| MOVCFI          | 15111   | 15119 # |         |         |         |             |
| MOVCFI          | 15506   | 15512   | 15546 # |         |         |             |
| MOVCFI          | 15263   | 15276 # |         |         |         |             |
| MOVCFI          | 15169 # | 15494   |         |         |         |             |
| MOVCFI          | 15653 # |         |         |         |         |             |
| MOVCFI          | 15484 # | 15537   | 15543   | 15677   |         |             |
| MOVCFI          | 15081   | 15088 # |         |         |         |             |
| MOVCFI          | 15390 # | 15471   |         |         |         |             |
| MOVCFI          | 15436   | 15438 # |         |         |         |             |
| MOVCFI          | 15387   | 15397 # |         |         |         |             |
| MOVCFI          | 15444   | 15451 # |         |         |         |             |
| MOVCFI          | 15457   | 15466 # |         |         |         |             |
| MOVCFI          | 15402   | 15406 # |         |         |         |             |
| MOVCFI          | 15413   | 15421   | 15429   | 15432 # |         |             |
| MOVCFI          | 15207   | 15288 # |         |         |         |             |
| MOVCFI          | 15320   | 15323 # |         |         |         |             |
| MOVCFI          | 8219 #  |         |         |         |         |             |
| MOVCFI          | 8227 #  | 8237    |         |         |         |             |
| MOVCFI          | 8216    | 8231 #  |         |         |         |             |
| MOVCFI          | 8223    | 8236 #  |         |         |         |             |
| MOVCFI          | 8213 #  |         |         |         |         |             |
| MOVCFI          | 36888 # |         |         |         |         |             |
| MOVCFI          | 36894   | 36897 # |         |         |         |             |
| MOVCFI          | 17239 # |         |         |         |         |             |
| MOVCFI          | 33850   | 38106 # |         |         |         |             |
| MOVCFI          | 33547   | 33554 # |         |         |         |             |
| MOVCFI          | 18735 # |         |         |         |         |             |
| MOVCFI          | 7547 #  |         |         |         |         |             |
| MOVCFI          | 17055 # |         |         |         |         |             |
| MOVCFI          | 17093   | 17097   | 17100   | 17103   | 17105 # | 17251       |

|               |         |         |         |         |         |       |       |         |       |       |
|---------------|---------|---------|---------|---------|---------|-------|-------|---------|-------|-------|
| MOVTCBKWD     | 15685   | 17115 # |         |         |         |       |       |         |       |       |
| MOVTCEXIT     | 17212   | 17226 # | 17265   | 17268   |         |       |       |         |       |       |
| MOVTCFILL     | 17220   | 17249 # |         |         |         |       |       |         |       |       |
| MOVTCFWD      | 15681   | 17120 # |         |         |         |       |       |         |       |       |
| MOVTCGO       | 17117   | 17121   | 17123 # |         |         |       |       |         |       |       |
| MOVTCCLP      | 5185    | 17127 # | 17180   | 17184   |         |       |       |         |       |       |
| MOVTCCLP.1    | 17130   | 17141 # |         |         |         |       |       |         |       |       |
| MOVTCCLP.2    | 17143   | 17149 # |         |         |         |       |       |         |       |       |
| MOVTCCLP.3    | 17146   | 17159 # |         |         |         |       |       |         |       |       |
| MOVTCCLP.4    | 5176    | 17169   | 17175 # |         |         |       |       |         |       |       |
| MOVTCCLP.5    | 17161   | 17183 # |         |         |         |       |       |         |       |       |
| MOVTCCLPDONE  | 17138   | 17193 # | 17198   |         |         |       |       |         |       |       |
| MOVTCUNEMP    | 17195   | 17201 # |         |         |         |       |       |         |       |       |
| MOVTCWHATDIR  | 15086   | 17092 # |         |         |         |       |       |         |       |       |
| MOVTCESCAPE   | 17177   | 17259 # |         |         |         |       |       |         |       |       |
| MOVZ          | 8168 #  |         |         |         |         |       |       |         |       |       |
| MPOP          | 23725   | 23855   | 23951 # | 23952   | 23977   |       |       |         |       |       |
| MPOP.1        | 23956   | 23960   | 23973 # |         |         |       |       |         |       |       |
| MPUSH         | 23908 # | 23929   | 31337   | 31350   |         |       |       |         |       |       |
| MPUSH2        | 23831   | 23927 # |         |         |         |       |       |         |       |       |
| MPY.HUGE.1    | 39665   | 39695   | 39746   | 39759   | 39773   | 39786 | 39862 | 39990 # |       |       |
| MTP           | 27235 # |         |         |         |         |       |       |         |       |       |
| MTP1          | 26972 # |         |         |         |         |       |       |         |       |       |
| MTPR          | 25821 # |         |         |         |         |       |       |         |       |       |
| MTPR.1        | 25821   | 25824 # |         |         |         |       |       |         |       |       |
| MUL           | 9373 #  |         |         |         |         |       |       |         |       |       |
| MUL.0         | 9355    | 9357 #  | 9366    |         |         |       |       |         |       |       |
| MUL.6         | 9442    | 9458 #  |         |         |         |       |       |         |       |       |
| MUL.8         | 9471    | 9480 #  |         |         |         |       |       |         |       |       |
| MUL.F.PIUS    | 21477   | 21485   | 21500 # |         |         |       |       |         |       |       |
| MUL.F2        | 21492 # | 23520   |         |         |         |       |       |         |       |       |
| MUL.FIN       | 21423   | 21454 # |         |         |         |       |       |         |       |       |
| MUL.I1        | 21248 # |         |         |         |         |       |       |         |       |       |
| MUL.I2        | 21261   | 21266 # |         |         |         |       |       |         |       |       |
| MUL.INTERRUPT | 21572 # |         |         |         |         |       |       |         |       |       |
| MUL.MUL       | 21283   | 21376 # |         |         |         |       |       |         |       |       |
| MUL.RES.1     | 23490 # | 23608   |         |         |         |       |       |         |       |       |
| MUL.S         | 9351    | 9381    | 9421 #  | 10015   |         |       |       |         |       |       |
| MUL6          | 26815 # | 26820   |         |         |         |       |       |         |       |       |
| MUL7          | 27485 # |         |         |         |         |       |       |         |       |       |
| MUL7M         | 27521   | 27536 # |         |         |         |       |       |         |       |       |
| MUL7P         | 27516   | 27539 # | 27545   |         |         |       |       |         |       |       |
| MULA1         | 21587   | 21617   | 21621   | 21625 # | 21636   |       |       |         |       |       |
| MULD          | 11607 # |         |         |         |         |       |       |         |       |       |
| MULD.00       | 11594   | 11609   | 12711 # | 13198   |         |       |       |         |       |       |
| MULD.02       | 12716 # | 13830   |         |         |         |       |       |         |       |       |
| MULD.03       | 12745   | 12765 # |         |         |         |       |       |         |       |       |
| MULD.04       | 12812   | 12821 # |         |         |         |       |       |         |       |       |
| MULD.05       | 12832   | 12838 # | 12844   |         |         |       |       |         |       |       |
| MULD.06       | 12841   | 12849 # |         |         |         |       |       |         |       |       |
| MULD.07       | 12851   | 12858 # | 12866   |         |         |       |       |         |       |       |
| MULDMPY       | 12767   | 12778   | 12798   | 12824   | 12877 # | 35867 | 35883 | 35909   | 35944 | 40007 |
| MULELE        | 26811 # |         |         |         |         |       |       |         |       |       |
| MULF          | 10572 # |         |         |         |         |       |       |         |       |       |
| MULF.0        | 6539    | 10543 # | 10560   | 10564   | 10667   |       |       |         |       |       |





|           |         |         |         |         |         |       |         |
|-----------|---------|---------|---------|---------|---------|-------|---------|
| MURAW     | 6055    | 6059    | 21599   | 21670   | 21677 # | 21698 | 21709   |
| MURWO     | 21683   | 21686 # |         |         |         |       |         |
| MURW3     | 21678   | 21712 # |         |         |         |       |         |
| MV.SV2    | 23273 # | 23324   | 23550   |         |         |       |         |
| MVP.0     | 18765 # | 18801   |         |         |         |       |         |
| MVP.1     | 18789 # | 18812   | 18816   |         |         |       |         |
| MVP.FIRST | 18783   | 18810 # |         |         |         |       |         |
| MVP.I0    | 18747 # | 23374   |         |         |         |       |         |
| MVP.I1    | 18749   | 18752 # |         |         |         |       |         |
| NBYTE1    | 23886   | 23892 # |         |         |         |       |         |
| NBYTES    | 23795   | 23839   | 23881 # |         |         |       |         |
| NEG.2     | 22638   | 22650 # |         |         |         |       |         |
| NEG.20    | 22653 # |         |         |         |         |       |         |
| NEG.3     | 4879    | 22655 # | 22660   | 22664   |         |       |         |
| NEG.4     | 22651   | 22662 # |         |         |         |       |         |
| NEG.5     | 22641   | 22646 # |         |         |         |       |         |
| NEG.ADJ   | 21031   | 21037 # |         |         |         |       |         |
| NEG.B     | 26634 # |         |         |         |         |       |         |
| NEG.B7    | 27255 # |         |         |         |         |       |         |
| NEG.CMT   | 22569   | 22635 # |         |         |         |       |         |
| NEGA0     | 6746    | 20995   | 21000   | 21009 # |         |       |         |
| NEGA1     | 21009   | 21014 # |         |         |         |       |         |
| NEGA10    | 21039   | 21041 # |         |         |         |       |         |
| NEGA2     | 21051 # |         |         |         |         |       |         |
| NEGA3     | 21052   | 21056   | 21060 # |         |         |       |         |
| NEGA5     | 21021   | 21070 # |         |         |         |       |         |
| NEGATE    | 20997 # | 21115   | 21123   | 23357   |         |       |         |
| NEGATE0   | 20991 # | 21062   | 21066   |         |         |       |         |
| NEGCK     | 10364   | 10411 # | 13544   |         |         |       |         |
| NEWMOVO   | 33445   | 33449   | 38133 # |         |         |       |         |
| NODIV     | 27567   | 27650 # |         |         |         |       |         |
| NOP       | 7592 #  | 24993   | 25014   | 25036   |         |       |         |
| OUTF.MEM  | 32186   | 32192 # |         |         |         |       |         |
| OUTF.PRN  | 31819 # | 32014   |         |         |         |       |         |
| OUTF.SP   | 31777   | 31783 # |         |         |         |       |         |
| OVFL      | 10450   | 10478   | 10499   | 10523   | 11100   | 12448 | 27998 # |
| OVFLK     | 10521 # |         |         |         |         |       |         |
| OVFLP     | 10476 # |         |         |         |         |       |         |
| OVR.DPP   | 32085   | 32090 # |         |         |         |       |         |
| OVR.KJC   | 31943   | 31948 # |         |         |         |       |         |
| P2        | 20879   | 20887   | 20890   | 20904 # | 20909   |       |         |
| P2L       | 5389    | 19536 # | 19552   | 19621   |         |       |         |
| P2L0      | 19526 # |         |         |         |         |       |         |
| P2L00     | 19519 # | 19532   | 23406   |         |         |       |         |
| P2L02     | 19522   | 19530 # |         |         |         |       |         |
| P2L1      | 19528   | 19544   | 19548 # |         |         |       |         |
| P2L2      | 19555   | 19557 # |         |         |         |       |         |
| P2L3      | 4183    | 19566   | 19579 # |         |         |       |         |
| P2LF2     | 4211    | 19654 # | 19659   |         |         |       |         |
| P2LF3     | 4207    | 19655   | 19661 # |         |         |       |         |
| P2LF5     | 19667   | 19671   | 19673 # |         |         |       |         |
| P2LF7     | 19677   | 19681 # |         |         |         |       |         |
| P2LF8     | 19687   | 19691 # | 19697   |         |         |       |         |
| P2LL      | 19562   | 19573 # | 19626   |         |         |       |         |
| P2LL.P    | 5399    | 5405 #  |         |         |         |       |         |



|                    |         |         |         |         |         |       |       |       |
|--------------------|---------|---------|---------|---------|---------|-------|-------|-------|
| PACKD.4            | 11070   | 11079 # |         |         |         |       |       |       |
| PACKD.6            | 6391    | 11088   | 11107 # |         |         |       |       |       |
| PACKD.8            | 11076   | 11112 # |         |         |         |       |       |       |
| PACKD.OV           | 11096 # |         |         |         |         |       |       |       |
| PACKG              | 34699 # | 34705   | 34722   | 35271   | 35801   | 36013 | 36399 | 37281 |
| PACKG.0            | 34702   | 34710 # |         |         |         |       |       |       |
| PACKG.2            | 34715   | 34724 # |         |         |         |       |       |       |
| PACKG.3            | 34743   | 34752 # |         |         |         |       |       |       |
| PACKG.4            | 34754   | 34771 # |         |         |         |       |       |       |
| PACKG.40           | 34780   | 34792 # |         |         |         |       |       |       |
| PACKG.7            | 34768   | 34798 # |         |         |         |       |       |       |
| PACKG.9            | 34760   | 34804 # |         |         |         |       |       |       |
| PACKH              | 38543 # | 38549   | 39021   | 39031   | 39053   |       | 39056 |       |
| PACKH.1            | 38545   | 38551 # |         |         |         |       |       |       |
| PACKH.2            | 38591 # | 38596   |         |         |         |       |       |       |
| PACKH.3            | 38592   | 38601 # |         |         |         |       |       |       |
| PACKH.3A           | 38601   | 38609 # |         |         |         |       |       |       |
| PACKH.4            | 38611   | 38621 # |         |         |         |       |       |       |
| PG.BDRY            | 28734 # |         |         |         |         |       |       |       |
| PL.EX              | 21365 # | 21370   |         |         |         |       |       |       |
| PL.LL              | 21310   | 21316 # | 21349   |         |         |       |       |       |
| PL.LL1             | 21324   | 21331 # |         |         |         |       |       |       |
| PL.LL2             | 21331   | 21336 # |         |         |         |       |       |       |
| PL.LL3             | 21327   | 21353 # |         |         |         |       |       |       |
| PL.LL4             | 21354   | 21357   | 21360   | 21363   | 21370 # | 21373 |       |       |
| POLY.0             | 13317 # | 13324   | 36458   | 40858   |         |       |       |       |
| POLY.C             | 13313 # | 13608   | 14025   |         |         |       |       |       |
| POLY.CC            | 13327 # |         |         |         |         |       |       |       |
| POLY.FAULT         | 13635   | 13639   | 13641 # | 40772   | 40783   |       |       |       |
| POLY.FLOAT.FAULT.A | 6483    | 13661 # |         |         |         |       |       |       |
| POLY.INT           | 13444   | 13625 # | 13811   | 32791   |         |       |       |       |
| POLY.PC            | 13370   | 13610 # | 13746   | 36141   | 40646   |       |       |       |
| POLYD              | 13674 # |         |         |         |         |       |       |       |
| PCLYD.0            | 13676   | 13699 # |         |         |         |       |       |       |
| POLYD.10           | 13786   | 13808   | 13814 # |         |         |       |       |       |
| POLYD.12           | 13835   | 13849 # |         |         |         |       |       |       |
| POLYD.13           | 13846   | 13873 # | 13889   |         |         |       |       |       |
| POLYD.14           | 13876   | 13881   | 13886   | 13894 # |         |       |       |       |
| POLYD.15           | 13929   | 13974 # |         |         |         |       |       |       |
| POLYD.16           | 13913   | 13953 # |         |         |         |       |       |       |
| POLYD.17           | 13933   | 13990 # |         |         |         |       |       |       |
| PCLYD.21           | 13865   | 13869   | 13931 # |         |         |       |       |       |
| POLYD.22           | 13972   | 13984   | 13993   | 13999 # |         |       |       |       |
| POLYD.24           | 13936   | 13967 # |         |         |         |       |       |       |
| POLYD.26           | 14003 # |         |         |         |         |       |       |       |
| POLYD.35           | 13791   | 14018 # |         |         |         |       |       |       |
| POLYD.4            | 13775   | 13790 # | 13797   |         |         |       |       |       |
| POLYD.8            | 13783   | 13800 # |         |         |         |       |       |       |
| POLYD.9            | 13696   | 13807 # | 14013   |         |         |       |       |       |
| POLYD.A            | 13924   | 13942 # |         |         |         |       |       |       |
| POIYD.FAULT        | 13637 # | 13940   | 13980   | 13988   | 13997   | 36375 | 36417 |       |
| POLYD.FPD          | 13678 # |         |         |         |         |       |       |       |
| POLYF              | 13288 # |         |         |         |         |       |       |       |
| POLYF.0            | 13289   | 13333 # |         |         |         |       |       |       |
| POLYF.10           | 13454   | 13485 # |         |         |         |       |       |       |

|              |         |         |         |                |
|--------------|---------|---------|---------|----------------|
| POLYF.12     | 13507 # |         |         |                |
| POLYF.13     | 13531 # | 13539   |         |                |
| POLYF.14     | 13524   | 13541 # |         |                |
| POLYF.17     | 13483   | 13570 # | 13581   | 13587 #        |
| POLYF.19     | 13528   | 13579 # |         |                |
| POLYF.2      | 13309   | 13410 # | 13426   |                |
| POLYF.22     | 13433   | 13605 # |         |                |
| POLYF.26     | 13535   | 13564 # |         |                |
| POLYF.5      | 13402   | 13429 # |         |                |
| POLYF.8      | 13415   | 13433 # | 13600   |                |
| POLYF.9      | 13441   | 13446 # |         |                |
| POLYF.FAULT  | 13577   | 13585   | 13633 # |                |
| POLYF.FPD    | 13291 # |         |         |                |
| POLYG        | 36047 # |         |         |                |
| POLYG.0      | 36050   | 36069 # |         |                |
| POLYG.1      | 36118 # | 36125   |         |                |
| POLYG.10     | 36186   | 36218   | 36230 # |                |
| POLYG.11     | 36259   | 36268 # |         |                |
| POLYG.12     | 36253   | 36276 # |         |                |
| POLYG.12A    | 36291   | 36299   | 36302 # |                |
| POLYG.13     | 36266   | 36273   | 36304 # |                |
| POLYG.14     | 36309   | 36312 # |         |                |
| POLYG.140    | 36348   | 36351 # |         |                |
| POLYG.14A    | 36328 # |         |         |                |
| POLYG.15     | 36374 # | 36408   |         |                |
| POLYG.16     | 36334   | 36381 # |         |                |
| POLYG.17     | 36367   | 36378   | 36405   | 36411 #        |
| POLYG.22     | 36303   | 36414   | 36420 # |                |
| POLYG.22A    | 36364   | 36402   | 36424 # |                |
| POLYG.26     | 36427 # |         |         |                |
| POLYG.35     | 36200   | 36444 # |         |                |
| POLYG.4      | 36174   | 36198 # | 36206   |                |
| POLYG.8      | 36193   | 36209 # |         |                |
| POLYG.9      | 36067   | 36217 # | 36441   |                |
| POLYG.A1     | 36092   | 36098 # |         |                |
| POLYG.C      | 36455 # |         |         |                |
| POLYG.FPD    | 36041 # |         |         |                |
| POLYG.FPD.1  | 36045   | 36052 # |         |                |
| POLYH.16     | 40719   | 40827 # |         |                |
| POLYH.20     | 40858 # | 40870   |         |                |
| POLYH.F      | 40673   | 40815   | 40850 # |                |
| POLYH.I.1    | 40549   | 40557 # |         |                |
| POLYH.I.3    | 40582   | 40590 # |         |                |
| POLYH.I.4    | 40621   | 40626 # |         |                |
| POLYH.LOOP   | 40660 # | 40822   |         |                |
| POLYH.LOOP.1 | 40690   | 40706 # |         |                |
| POLYH.LOOP.3 | 40701   | 40704   | 40741 # | 40769    40776 |
| POLYH.LOOP.4 | 40751   | 40795 # |         |                |
| POLYH.REEN   | 40489   | 40808 # |         |                |
| POLYH.TEST   | 40758   | 40774 # |         |                |
| POLYH.UND    | 40763 # | 40780   |         |                |
| POLYH.X      | 38604   | 40757 # |         |                |
| POPR         | 23837 # |         |         |                |
| POPR.1       | 23854 # | 23869   |         |                |
| POPR.2       | 23862   | 23865 # |         |                |



|                 |       |       |       |       |       |       |       |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| R401            | 22752 | 22760 | #     |       |       |       |       |
| R4010           | 22763 | #     | 22885 |       |       |       |       |
| R401W           | 22875 | 22883 | #     |       |       |       |       |
| R410            | 22754 | 22766 | #     |       |       |       |       |
| R4100           | 22769 | #     | 22889 |       |       |       |       |
| R410W           | 22877 | 22887 | #     |       |       |       |       |
| R411            | 22758 | 22774 | #     |       |       |       |       |
| R4111           | 22814 | 22833 | #     | 22838 | 22929 | 22944 | 22947 |
| R411W           | 22881 | 22891 | #     |       |       |       |       |
| R4W             | 22869 | #     |       |       |       |       |       |
| READ.CACHE.LONG | 40511 | 40519 | #     |       |       |       |       |
| READ.H.SUBR     | 40497 | #     | 40603 | 40679 | 40709 | 40810 | 41291 |
| READ.HUGE       | 33888 | 33950 | #     |       |       |       |       |
| READO           | 5795  | 18768 |       | 20708 | 22533 | 22726 | #     |
| READO0          | 20719 | 22723 | #     |       |       |       |       |
| READOW          | 21017 | 21690 |       | 22853 | #     |       |       |
| READ1           | 22738 | #     |       |       |       |       |       |
| READ1W          | 22730 | 22861 | #     |       |       |       |       |
| READ2           | 21338 | 22739 |       | 22780 | #     |       |       |
| READ20          | 22788 | #     | 22903 |       |       |       |       |
| READ2W          | 22862 | 22896 | #     |       |       |       |       |
| READH.SUBR.SUB  | 40500 | 40505 |       | 40508 | #     |       |       |
| REG.AD          | 20952 | #     | 21080 |       |       |       |       |
| REG.ADJ         | 20692 | 20949 | #     | 21092 |       |       |       |
| REG.ADJUST      | 5735  | 20942 | #     | 21459 |       |       |       |
| REI             | 23998 | #     |       |       |       |       |       |
| REI.01          | 24018 | 24050 | #     |       |       |       |       |
| REI.02          | 24067 | 24075 | #     |       |       |       |       |
| REI.03          | 24078 | 24084 | #     |       |       |       |       |
| REI.04          | 24107 | #     | 24112 |       |       |       |       |
| REI.05          | 24109 | 24115 | #     |       |       |       |       |
| REI.08          | 24065 | 24134 | #     |       |       |       |       |
| REI.10          | 24147 | #     | 24164 |       |       |       |       |
| REI.12          | 6772  | 6779  |       | 24153 | 24169 | #     |       |
| REI.13          | 24171 | 24176 |       | 24181 | 24186 | 24192 | #     |
| REI.14          | 24194 | 24202 | #     |       |       |       |       |
| REI.15          | 24199 | 24209 | #     |       |       |       |       |
| REMOVE.Q        | 24414 | 24696 | #     |       |       |       |       |
| REQ.1           | 24313 | 24322 | #     |       |       |       |       |
| REQ.2           | 24319 | 24340 | #     |       |       |       |       |
| REQ.3           | 24346 | 24359 | #     |       |       |       |       |
| REQ.30          | 24304 | #     |       |       |       |       |       |
| REQ.4           | 24356 | 24367 | #     |       |       |       |       |
| REQ.5           | 24368 | 24375 | #     |       |       |       |       |
| REQ.6           | 24293 | 24378 | #     |       |       |       |       |
| REQHI           | 24706 | #     |       |       |       |       |       |
| REQHI.1         | 24707 | 24714 | #     |       |       |       |       |
| REQUE           | 24300 | #     |       |       |       |       |       |
| RESTART.ASHP    | 23414 | #     |       |       |       |       |       |
| RESTORE.BCD     | 22489 | 23281 | #     | 23364 | 23384 | 23432 |       |
| RESTRO          | 23175 | #     | 23333 | 23503 | 23614 |       |       |
| RESTR2          | 23227 | #     | 23293 | 23336 | 23496 | 23611 |       |
| RESTR4          | 23553 | #     | 23599 |       |       |       |       |
| RET             | 23682 | #     |       |       |       |       |       |
| RET.0           | 23702 | 23709 | #     |       |       |       |       |









|                |         |         |         |               |
|----------------|---------|---------|---------|---------------|
| SUB1           | 20744   | 20751 # | 20910   |               |
| SVPC.1         | 25234 # | 25263   |         |               |
| SVPC.2         | 25244 # |         |         |               |
| SVPC.3         | 25262 # | 25267   |         |               |
| SVPC.4         | 25235   | 25271 # |         |               |
| SVPC.5         | 25279 # | 25291   |         |               |
| SVPC.6         | 25302 # | 25310   |         |               |
| SVPCTX         | 25210 # |         |         |               |
| SWAB           | 26726 # |         |         |               |
| SWAB.0         | 26731 # | 26736   |         |               |
| SWAB.1         | 26733   | 26739 # |         |               |
| SWAB7          | 27306 # |         |         |               |
| SWAP.D         | 22810   | 22816 # | 22925   |               |
| SXT            | 26685 # | 26693   |         |               |
| SXT7           | 27274 # |         |         |               |
| SXTPC          | 26698 # |         |         |               |
| SYS.INIT       | 14056 # |         |         |               |
| SYS.NXT        | 29658   | 29661 # |         |               |
| T2P.2          | 20267   | 20273 # |         |               |
| T2P.3          | 20282 # |         |         |               |
| T2P.4          | 20283   | 20287   | 20291 # | 20535         |
| T2P.5          | 20293 # |         |         |               |
| T2P.6          | 20297   | 20301 # | 20387   | 20531         |
| T2P.7          | 20308 # | 20384   |         |               |
| T2P.END.OF.SRC | 20330   | 20392 # |         |               |
| T2P.FIN1       | 20372   | 20405 # |         |               |
| T2P.FIN2       | 20377   | 20414 # |         |               |
| T2P.I0         | 20217   | 20220 # |         |               |
| T2P.I1         | 20229   | 20233 # | 23377   |               |
| T2P.L0         | 20319 # | 20348   |         |               |
| T2P.L00        | 20332 # |         |         |               |
| T2P.L1         | 20336   | 20340 # |         |               |
| T2P.L10        | 20310   | 20342 # |         |               |
| T2P.LONG0      | 20322   | 20326   | 20352 # |               |
| T2P.LONG1      | 4910    | 20271   | 20302   | 20358 # 20399 |
| T2P.LONG3      | 20381 # | 20407   | 20416   |               |
| T2P.X1         | 6651    | 20242 # |         |               |
| TBF.R          | 23866   | 25076   | 25132 # |               |
| TBF.R1         | 25145   | 25154 # |         |               |
| TBF.R2         | 3921    | 25142 # |         |               |
| TBF.W          | 23819   | 25113   | 25168 # | 31291 31342   |
| TBF.X          | 25187 # |         |         |               |
| TBUF.MISS      | 28513 # |         |         |               |
| TCLAS7         | 27286 # |         |         |               |
| TCLASS         | 26701 # |         |         |               |
| TCLPC          | 26706 # |         |         |               |
| TEST.PTE.M     | 28536   | 29161   | 29220 # |               |
| TEST.PTE.W     | 3952    | 25180   | 29232 # |               |
| TRACE          | 26444   | 28055 # |         |               |
| TST            | 8013 #  |         |         |               |
| TST.R          | 7476 #  |         |         |               |
| TSTD           | 8203 #  |         |         |               |
| TSTF           | 8208 #  |         |         |               |
| TSTF.R         | 7480 #  |         |         |               |
| TSTG.0         | 36925   | 36933 # |         |               |





|          |         |         |         |         |         |         |       |  |
|----------|---------|---------|---------|---------|---------|---------|-------|--|
| WRITE1   | 4465    | 19416   | 20365   | 22607   | 22977 # |         |       |  |
| WRQ.DST  | 7550 #  | 8228    |         |         |         |         |       |  |
| X.EMDD0  | 33075 # | 33086   |         |         |         |         |       |  |
| X.EMDD1  | 33081   | 33089 # |         |         |         |         |       |  |
| X.EMDD3  | 33099   | 33114 # | 33117   |         |         |         |       |  |
| X.EMDD5  | 33122   | 33126 # | 33129   |         |         |         |       |  |
| X.EMDD7  | 33095   | 33104   | 33109   | 33131 # |         |         |       |  |
| X.EMDF1  | 33000   | 33010 # |         |         |         |         |       |  |
| X.EMDF3  | 33020   | 33035 # | 33037   |         |         |         |       |  |
| X.EMDF5  | 33017   | 33025   | 33030   | 33039 # |         |         |       |  |
| X.EMODF  | 32985 # |         |         |         |         |         |       |  |
| X.MUL.1  | 32439 # | 32441   |         |         |         |         |       |  |
| X.MUL10  | 32489   | 32495 # |         |         |         |         |       |  |
| X.MUL11  | 32458   | 32509 # | 32595   |         |         |         |       |  |
| X.MUL19  | 32551 # | 32580   |         |         |         |         |       |  |
| X.MUL21  | 32547   | 32568 # |         |         |         |         |       |  |
| X.MUL23  | 32569   | 32579 # |         |         |         |         |       |  |
| X.MUL25  | 32554   | 32583 # |         |         |         |         |       |  |
| X.MUL3   | 32450 # | 32563   |         |         |         |         |       |  |
| X.MUL5   | 32453   | 32460 # | 32588   |         |         |         |       |  |
| X.MUL7   | 32464   | 32474 # | 32527   |         |         |         |       |  |
| X.MUL8   | 32480 # |         |         |         |         |         |       |  |
| X.MUL9   | 32471   | 32486 # | 32515   | 32678   | 32693   |         |       |  |
| X.OML    | 32604   | 32613   | 32623   | 32626 # |         |         |       |  |
| X.OML.1  | 32653   | 32655 # | 32656   |         |         |         |       |  |
| X.OML.1A | 32628   | 32645   | 32650 # |         |         |         |       |  |
| X.OML11  | 32667   | 32689 # |         |         |         |         |       |  |
| X.OML3   | 32661 # |         |         |         |         |         |       |  |
| X.OML5   | 32663   | 32669 # |         |         |         |         |       |  |
| X.OML7   | 32672   | 32680 # | 32702   |         |         |         |       |  |
| X.OML8   | 32686 # |         |         |         |         |         |       |  |
| X.POLY1  | 32717   | 32735 # |         |         |         |         |       |  |
| X.POLY11 | 32788   | 32794 # |         |         |         |         |       |  |
| X.POLY20 | 32783   | 32813 # |         |         |         |         |       |  |
| X.POLY21 | 32816   | 32832   | 32835 # | 32840   | 32851   |         |       |  |
| X.POLY3  | 32737   | 32748 # |         |         |         |         |       |  |
| X.POLY31 | 32845   | 32859   | 32862 # | 32864   |         |         |       |  |
| X.POLY33 | 32867   | 32882 # |         |         |         |         |       |  |
| X.POLY37 | 32884   | 32896 # |         |         |         |         |       |  |
| X.POLY38 | 32898   | 32905 # |         |         |         |         |       |  |
| X.POLY40 | 32771   | 32855   | 32871   | 32875   | 32901   | 32926 # |       |  |
| X.POLY43 | 32943   | 32949 # |         |         |         |         |       |  |
| X.POLY45 | 32951   | 32956 # |         |         |         |         |       |  |
| X.POLY5  | 32757 # | 32759   | 32767   | 32797   | 32810   |         |       |  |
| X.POLY7  | 32745   | 32763   | 32775   | 32778 # |         |         |       |  |
| X.POLY9  | 32780   | 32786 # |         |         |         |         |       |  |
| XD.B.01  | 32023   | 32028   | 32033   | 32036 # | 32039   | 32244   | 32273 |  |
| XD.B.05  | 32042   | 32051 # | 32053   |         |         |         |       |  |
| XD.B.09  | 31773   | 31909   | 32009   | 32045   | 32061 # | 32183   | 32306 |  |
| XD.C.01  | 32251   | 32258   | 32262 # |         |         |         |       |  |
| XD.C.02  | 32235   | 32264   | 32277 # |         |         |         |       |  |
| XD.C.03  | 32239   | 32268   | 32280   | 32294 # | 32296   |         |       |  |
| XD.C.05  | 32301   | 32314 # | 32316   |         |         |         |       |  |
| XF.A.01  | 31737   | 31744   | 31750   | 31756   | 31758 # | 32632   | 32649 |  |
| XF.A.02  | 31763 # | 31764   |         |         |         |         |       |  |

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K 5

Fiche 6 Frame K5      Sequence 1092

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Cross Reference Listing - Field Names and Defined Values

|         |         |         |         |         |       |       |       |
|---------|---------|---------|---------|---------|-------|-------|-------|
| XF.B.01 | 31982   | 31988   | 31994   | 31999 # | 32000 | 32129 | 32157 |
| XF.C.01 | 32137   | 32145   | 32147 # |         |       |       |       |
| XF.C.02 | 32122   | 32149   | 32161 # |         |       |       |       |
| XF.C.03 | 32125   | 32153   | 32163   | 32176 # | 32177 |       |       |
| XFD     | 5923    | 33303 # |         |         |       |       |       |
| XFD.1   | 33306   | 33368 # |         |         |       |       |       |
| XFD.10  | 33373 # | 33384   |         |         |       |       |       |
| XFD.2   | 33371   | 33390   | 33392 # |         |       |       |       |
| XFD.G   | 33315   | 33353 # |         |         |       |       |       |

ZZ-ESOAA-124.0 :  
: PTW124.MCR 600,1204 ]  
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L 5

Cross Reference Lis14-Jan-82      Fiche 6 Frame L5      Sequence 1093  
MICR02 1L(03)    14-Jan-82 15:30:16    VAX11/780 Microcode : PCS 01, FPLA 0E, WCS124    Page 1092  
Cross Reference Listing - Field Names and Defined Values

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; P1W124.MCR 600,1204 ]  
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M 5

Cross Reference Listing - Macro Names  
MICRO2 1L(03) 14-Jan-82 15:30:16 VAX11/780 Microcode : PCS 01, FPLA OE, WCS124  
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|              |        |       |       |       |       |       |       |       |       |       |       |       |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC.LOW?      | 3346 # | 30891 | 30901 |       |       |       |       |       |       |       |       |       |
| ACC.SYNC?    | 3347 # | 14134 |       |       |       |       |       |       |       |       |       |       |
| ACCEL?       | 3348 # | 31760 | 31764 | 31770 | 31899 | 31903 | 31918 | 31922 | 32000 | 32006 | 32039 | 32053 |
|              | 32057  | 32125 | 32129 | 32153 | 32157 | 32163 | 32177 | 32180 | 32239 | 32244 | 32268 | 32273 |
|              | 3228   | 32296 | 32316 | 32319 | 32441 | 32604 | 32613 | 32623 | 32641 | 32653 | 32656 | 32759 |
|              | 327    | 32797 | 32800 | 32803 | 32810 | 32816 | 32819 | 32823 | 32832 | 32840 | 32845 | 32851 |
|              | 32864  | 32884 | 32887 | 32890 | 32893 | 33037 | 33117 | 33122 | 33129 |       |       |       |
| ALIGNED?     | 3349 # | 28786 | 28794 | 28798 |       |       |       |       |       |       |       |       |
| ALU.N?       | 3350 # | 4183  | 5538  | 6768  | 8676  | 8681  | 8701  | 8714  | 9455  | 9809  | 9820  | 12090 |
|              | 17711  | 17719 | 17780 | 19376 | 19566 | 22533 | 22730 | 22734 | 22857 | 24199 | 24206 | 27632 |
|              | 30225  | 41465 |       |       |       |       |       |       |       |       |       |       |
| ALU1-0?      | 3351 # | 6775  | 6857  | 16465 | 26347 | 27821 |       |       |       |       |       |       |
| ALU?         | 3352 # | 3692  | 7741  | 4000  | 4017  | 4030  | 5125  | 5795  | 6133  | 6549  | 6579  | 7953  |
|              | 7992   | 6115  | 8822  | 8840  | 8847  | 10128 | 10412 | 10431 | 10567 | 10602 | 10676 | 10719 |
|              | 10810  | 10827 | 10839 | 11427 | 11452 | 11479 | 12483 | 12527 | 13236 | 18768 | 19087 | 20708 |
|              | 20719  | 20822 | 21016 | 21318 | 21690 | 22272 | 22278 | 22311 | 22694 | 34359 | 34377 | 34411 |
|              | 34426  | 34743 | 34789 | 34923 | 35151 | 35177 | 35212 | 35511 | 35579 | 35586 | 35596 | 35612 |
|              | 35697  | 35704 | 35714 | 35730 | 36360 | 36652 | 36675 | 36683 | 36710 | 36830 | 36866 | 37105 |
|              | 37243  | 37377 | 37528 | 37795 | 38010 | 38022 | 38062 | 38073 | 38611 | 38722 | 40326 | 40348 |
|              | 40758  | 40988 |       |       |       |       |       |       |       |       |       |       |
| ALU_-1       | 2341 # | 4289  | 4607  | 8391  | 11344 | 11394 | 11569 | 14355 | 27986 | 28000 | 35075 | 35120 |
|              | 35307  | 35492 | 38733 | 39097 |       |       |       |       |       |       |       |       |
| ALU_0(A)     | 2342 # | 3685  | 3797  | 3801  | 4131  | 4307  | 4449  | 4522  | 5782  | 5803  | 5826  | 5386  |
|              | 6136   | 6147  | 6589  | 6721  | 6725  | 8381  | 9465  | 9475  | 9536  | 9553  | 9824  | 10621 |
|              | 12137  | 12170 | 12871 | 12883 | 12979 | 13043 | 13492 | 13744 | 16548 | 18773 | 18865 | 18868 |
|              | 18950  | 19121 | 19131 | 19177 | 19181 | 19309 | 19314 | 19368 | 19418 | 19661 | 19666 | 19670 |
|              | 19676  | 19935 | 20027 | 20135 | 20369 | 20728 | 20738 | 20949 | 21078 | 21100 | 21104 | 21117 |
|              | 21137  | 21140 | 21468 | 21487 | 21501 | 21504 | 21516 | 22162 | 22325 | 22340 | 22374 | 22386 |
|              | 22388  | 22701 | 23116 | 23119 | 23362 | 23382 | 23419 | 23431 | 23628 | 24502 | 24546 | 24673 |
|              | 27526  | 27531 | 27693 | 28013 | 28129 | 32136 | 32144 | 32250 | 32257 | 32497 | 33094 | 33102 |
|              | 33108  | 33115 | 33120 | 33128 | 33418 | 33425 | 36138 | 37215 | 37295 | 37490 | 37957 | 38615 |
|              | 38627  | 38635 | 38639 | 38714 | 38927 | 40052 | 40152 | 40286 | 40761 | 40764 | 40768 | 40779 |
|              | 41383  |       |       |       |       |       |       |       |       |       |       |       |
| ALU_0+D      | 2343 # | 9804  | 31507 |       |       |       |       |       |       |       |       |       |
| ALU_0+D+1    | 2344 # | 5733  |       |       |       |       |       |       |       |       |       |       |
| ALU_0+K[]    | 2345 # | 11052 | 13267 | 13838 | 15130 | 17194 | 19347 | 24469 | 24530 | 24752 | 24793 | 24860 |
|              | 34721  | 37350 |       |       |       |       |       |       |       |       |       |       |
| ALU_0+K[]+1  | 2346 # | 10412 | 18497 | 18896 | 20140 | 21963 | 22132 | 25051 | 25056 | 25125 | 31107 | 31121 |
|              | 33477  | 37433 |       |       |       |       |       |       |       |       |       |       |
| ALU_0+LB+1   | 2347 # | 5800  | 19945 | 21458 | 21948 | 22004 | 22112 |       |       |       |       |       |
| ALU_0+LC     | 2348 # | 5978  | 21585 | 21616 | 21620 | 21656 | 22212 | 38771 | 38803 |       |       |       |
| ALU_0+LC+1   | 2349 # | 6710  | 19922 | 20294 | 20529 | 38548 | 39039 |       |       |       |       |       |
| ALU_0+MASK+1 | 2350 # | 15384 | 22996 | 23134 |       |       |       |       |       |       |       |       |
| ALU_0+Q      | 2351 # | 12335 | 19339 | 20723 | 20821 | 20905 | 21145 | 21149 | 21568 | 22241 | 22319 | 22636 |
|              | 22696  | 22747 | 22834 | 22870 | 23332 | 37526 | 40083 |       |       |       |       |       |
| ALU_0+Q+1    | 2352 # | 17121 | 17260 | 21381 | 21978 | 23412 | 23533 | 23636 | 39014 | 39034 | 39957 |       |
| ALU_0-D      | 2353 # | 19657 | 21853 | 21970 | 24512 | 24663 | 24829 | 24896 |       |       |       |       |
| ALU_0-D-1    | 2354 # | 20629 | 20641 | 20663 |       |       |       |       |       |       |       |       |
| ALU_0-K[]    | 2355 # | 13555 | 13922 | 15026 | 38951 |       |       |       |       |       |       |       |
| ALU_0-K[]-1  | 2356 # | 21276 | 22041 |       |       |       |       |       |       |       |       |       |
| ALU_0-LB     | 2357 # | 38737 |       |       |       |       |       |       |       |       |       |       |
| ALU_0-LC     | 2358 # | 9853  | 23376 | 39074 | 39109 |       |       |       |       |       |       |       |
| ALU_0-LC-1   | 2359 # | 19402 | 20507 | 20679 | 22522 | 39081 | 39105 |       |       |       |       |       |
| ALU_0-Q      | 2360 # | 9759  | 20220 | 21029 | 22986 | 22988 | 23123 | 23125 | 24526 | 24832 | 24901 |       |
| ALU_0-Q-1    | 2361 # | 6649  | 20234 | 20650 | 22503 | 23302 | 39092 |       |       |       |       |       |



Cross Reference Listing - Macro Names

|                          |        |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ALU_0[]D                 | 2362 # | 21033 |       |       |       |       |       |       |       |       |       |       |
| ALU_0[]LC                | 2363 # |       |       |       |       |       |       |       |       |       |       |       |
| ALU_D                    | 2364 # | 4048  | 4228  | 4700  | 5786  | 6988  | 7476  | 7480  | 7794  | 7840  | 7848  | 8013  |
|                          | 8031   | 8208  | 8354  | 8501  | 9445  | 9453  | 9570  | 9574  | 9740  | 9808  | 10018 | 10022 |
|                          | 10026  | 10594 | 10598 | 10696 | 10706 | 10709 | 11266 | 11281 | 11635 | 11653 | 12038 | 12118 |
|                          | 12156  | 12193 | 12658 | 12771 | 12806 | 13037 | 13260 | 13349 | 13361 | 13543 | 13726 | 13824 |
|                          | 13850  | 14558 | 16370 | 17472 | 17701 | 19322 | 19682 | 19686 | 19776 | 19846 | 20216 | 21343 |
|                          | 21419  | 21422 | 21602 | 21847 | 22013 | 22038 | 22049 | 22052 | 22992 | 23130 | 24491 | 26778 |
|                          | 27116  | 27121 | 27135 | 27140 | 27157 | 27162 | 27271 | 27278 | 27313 | 27325 | 27635 | 27639 |
|                          | 27646  | 32585 | 32592 | 32736 | 32996 | 33004 | 34929 | 35392 | 35411 | 35874 | 35920 | 36095 |
|                          | 36124  | 36240 | 36742 | 36898 | 36975 | 37446 | 37479 | 37837 | 38144 | 38218 | 38499 | 38757 |
|                          | 39168  | 39191 | 39235 | 39649 | 39662 | 39743 | 39770 | 39973 | 40257 | 40509 | 40624 | 40654 |
|                          | 40703  | 40842 |       |       |       |       |       |       |       |       |       |       |
| ALU_D(B)                 | 2365 # | 27475 | 33638 |       |       |       |       |       |       |       |       |       |
| ALU_D+K[]                | 2366 # | 5776  | 5792  | 20152 | 20706 | 21014 | 21688 | 22530 | 22723 | 22726 | 22853 | 39324 |
| ALU_D+K[]+1              | 2367 # | 20503 | 31258 |       |       |       |       |       |       |       |       |       |
| ALU_D+K[].RLOG           | 2368 # | 33592 |       |       |       |       |       |       |       |       |       |       |
| ALU_D+LB                 | 2369 # | 24643 | 24848 | 38197 |       |       |       |       |       |       |       |       |
| ALU_D+LC                 | 2370 # | 5365  | 5384  | 16606 | 19597 | 24802 | 35709 | 35725 | 35743 | 35759 | 35793 | 39632 |
|                          | 40645  |       |       |       |       |       |       |       |       |       |       |       |
| ALU_D+LC+1               | 2371 # | 35701 | 35717 | 35733 | 35751 | 35767 | 35797 |       |       |       |       |       |
| ALU_D+LC+PSL.C           | 2372 # | 11794 | 11824 |       |       |       |       |       |       |       |       |       |
| ALU_D+Q                  | 2373 # | 5393  | 12810 | 19885 | 19614 | 19641 | 19756 | 19842 | 19885 | 20733 | 20894 | 22650 |
|                          | 24812  | 31263 | 35785 | 35928 | 37089 | 37324 | 39430 | 40022 | 40120 |       |       |       |
| ALU_D+Q+1                | 2374 # | 12815 | 18748 | 18825 | 18829 | 19882 | 20242 | 20496 | 20647 | 20667 | 20687 | 22511 |
|                          | 22515  | 22658 | 35934 | 40124 |       |       |       |       |       |       |       |       |
| ALU_D+Q+FSL.C            | 2375 # | 20746 | 39494 |       |       |       |       |       |       |       |       |       |
| ALU_D+RLOG               | 2376 # | 33596 | 33632 |       |       |       |       |       |       |       |       |       |
| ALU_D-K[]                | 2377 # | 4123  | 4178  | 9812  | 9976  | 17567 | 19557 | 20512 | 21280 | 21347 | 21973 | 23445 |
|                          | 23655  | 27594 | 27624 | 40239 | 40799 | 40959 |       |       |       |       |       |       |
| ALU_D-K[]-1              | 2378 # | 26202 | 26375 | 27602 | 27617 |       |       |       |       |       |       |       |
| ALU_D-LB                 | 2379 # | 9315  | 9329  |       |       |       |       |       |       |       |       |       |
| ALU_D-LB.RLOG            | 2380 # | 35496 |       |       |       |       |       |       |       |       |       |       |
| ALU_D-LC                 | 2381 # | 5529  | 8693  | 10743 | 24508 | 35529 | 35543 | 35585 | 35599 | 35615 | 35671 | 35687 |
|                          | 38705  | 39318 |       |       |       |       |       |       |       |       |       |       |
| ALU_D-LC-1               | 2382 # | 8684  | 15056 | 35522 | 35536 | 35591 | 35607 | 35663 | 35679 |       |       |       |
| ALU_D-n                  | 2383 # | 4446  | 5415  | 5891  | 7933  | 8594  | 9637  | 9971  | 10795 | 19594 | 20758 | 20765 |
|                          | 20846  | 21038 | 21543 | 21649 | 21668 | 21879 | 24107 | 24442 | 24658 | 24717 | 26133 | 26638 |
|                          | 34411  | 34441 | 38007 | 38060 |       |       |       |       |       |       |       |       |
| ALU_D-Q-1                | 2384 # | 8869  | 8898  | 16590 | 24283 | 24316 |       |       |       |       |       |       |
| ALU_D.OXT[]              | 2385 # | 4175  | 17124 | 19284 | 20636 | 22456 | 22498 | 26931 | 26743 | 37453 | 38030 | 38188 |
|                          | 40913  |       |       |       |       |       |       |       |       |       |       |       |
| ALU_D.OXT[]+K[]          | 2386 # | 17215 |       |       |       |       |       |       |       |       |       |       |
| ALU_D.OXT[]+LC           | 2387 # | 6689  | 19899 |       |       |       |       |       |       |       |       |       |
| ALU_D.OXT[]+Q            | 2388 # | 4085  | 20257 | 23696 |       |       |       |       |       |       |       |       |
| ALU_D.OXT[]-K[]          | 2389 # | 19023 | 20273 | 23526 |       |       |       |       |       |       |       |       |
| ALU_D.OXT[]-Q            | 2390 # | 4007  | 5411  | 19074 | 19078 | 19580 | 19584 |       |       |       |       |       |
| ALU_D.OXT[] .AND .K[]    | 2391 # | 4181  | 5407  | 6692  | 6696  | 6703  | 19537 | 19564 | 19573 | 19909 | 19916 | 19997 |
|                          | 20004  | 20044 |       |       |       |       |       |       |       |       |       |       |
| ALU_D.OXT[] .ANDNOT .K[] | 2392 # | 19064 |       |       |       |       |       |       |       |       |       |       |
| ALU_D.OXT[] .OR .Q       | 2393 # | 38556 | 38569 | 38579 | 38609 | 40757 |       |       |       |       |       |       |
| ALU_D .AND .K[]          | 2394 # | 5474  | 5502  | 6017  | 6173  | 12057 | 16232 | 17585 | 17609 | 19147 | 19850 | 19893 |
|                          | 19993  | 20224 | 20282 | 20286 | 20483 | 20632 | 20654 | 21254 | 21833 | 21944 | 22264 | 22461 |
|                          | 22472  | 23498 | 23617 | 24418 | 24465 | 24746 | 24798 | 24838 | 24868 | 25252 | 25854 | 25877 |
|                          | 25891  | 25897 | 26077 | 26088 | 26095 | 26155 | 26307 | 26732 | 27306 | 31035 | 31521 | 34331 |

|                        |        |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 34347  | 34494 | 34557 | 34574 | 34897 | 36086 | 36109 | 36153 | 36277 | 37691 | 37982 |       |
| ALU_D.AND.MASK         | 2395 # | 26755 |       |       |       |       |       |       |       |       |       |       |
| ALU_D.ANDNOT.K[]       | 2396 # | 4421  | 5755  | 7960  | 13334 | 13701 | 17570 | 18177 | 20866 | 20871 | 20878 | 20886 |
|                        | 20889  | 21024 | 21353 | 21356 | 21359 | 21362 | 21960 | 22560 | 22760 | 22766 | 22883 | 22887 |
|                        | 23547  | 24128 | 26322 | 28378 | 32716 | 32727 | 34503 | 36071 | 37025 | 37383 | 37936 | 38344 |
|                        | 38412  | 38453 | 38459 | 40533 | 40569 | 40614 | 40696 | 41468 |       |       |       |       |
| ALU_D.ANDNOT.MASK      | 2397 # | 8796  |       |       |       |       |       |       |       |       |       |       |
| ALU_D.ANDNOT.Q         | 2398 # | 22999 | 23137 |       |       |       |       |       |       |       |       |       |
| ALU_D.OR.K[]           | 2399 # | 19781 | 20031 | 24459 | 24734 | 24739 | 33524 | 38595 |       |       |       |       |
| ALU_D.OR.LC            | 2400 # | 20062 | 20066 | 22977 | 22981 | 38377 | 40651 |       |       |       |       |       |
| ALU_D.OR.Q             | 2401 # | 5493  | 20029 | 20035 | 20056 | 20059 | 22493 | 23549 |       |       |       |       |
| ALU_D.OR.RC[]          | 2402 # | 41499 |       |       |       |       |       |       |       |       |       |       |
| ALU_D.ORNOT.MASK       | 2403 # | 26760 | 26787 |       |       |       |       |       |       |       |       |       |
| ALU_D.SXT[]            | 2404 # | 23295 | 23298 |       |       |       |       |       |       |       |       |       |
| ALU_D.SXT[]+K[]        | 2405 # | 25097 |       |       |       |       |       |       |       |       |       |       |
| ALU_D.SXT[]+Q          | 2406 # | 38249 | 38293 |       |       |       |       |       |       |       |       |       |
| ALU_D.SXT[].AND.K[]    | 2408 # | 27218 |       |       |       |       |       |       |       |       |       |       |
| ALU_D.SXT[].ANDNOT.K[] | 2407 # |       |       |       |       |       |       |       |       |       |       |       |
| ALU_D.XOR.K[]          | 2409 # | 20516 | 20520 | 20525 | 24036 | 26391 | 34362 | 34380 |       |       |       |       |
| ALU_D.XOR.LC           | 2410 # | 15782 | 15787 | 15792 | 15797 | 24340 |       |       |       |       |       |       |
| ALU_D.XOR.Q            | 2411 # | 8268  | 8451  | 16901 | 19654 | 25795 |       |       |       |       |       |       |
| ALU_D.XOR.RC[]         | 2412 # | 8582  | 24841 |       |       |       |       |       |       |       |       |       |
| ALU_D.XOR.RE[]         | 2413 # | 6430  | 12366 | 12437 |       |       |       |       |       |       |       |       |
| ALU_D[]K[]             | 2414 # | 7467  | 8062  | 26664 | 26782 |       |       |       |       |       |       |       |
| ALU_D[]LB              | 2415 # | 39450 | 39474 |       |       |       |       |       |       |       |       |       |
| ALU_D[]LC              | 2416 # | 11736 | 11786 | 11817 | 39463 |       |       |       |       |       |       |       |
| ALU_D[]Q               | 2417 # | 8292  | 18978 | 20751 | 26628 | 26709 | 27286 | 27292 |       |       |       |       |
| ALU_K[]                | 2418 # | 4154  | 4326  | 5920  | 6038  | 7541  | 8231  | 8386  | 10112 | 10853 | 10911 | 12084 |
|                        | 12680  | 13357 | 14551 | 15332 | 15339 | 18237 | 18877 | 19111 | 19124 | 19140 | 19155 | 19159 |
|                        | 19171  | 19201 | 19207 | 19303 | 19530 | 19550 | 20672 | 20983 | 21130 | 21444 | 21484 | 21553 |
|                        | 21955  | 22356 | 23349 | 23620 | 24702 | 25615 | 26038 | 30935 | 30940 | 30945 | 31005 | 31011 |
|                        | 31017  | 34635 | 35781 | 36624 | 37019 | 37048 | 37069 | 37123 | 37127 | 37152 | 37423 | 37498 |
|                        | 37779  | 37862 | 38161 | 38720 | 41356 |       |       |       |       |       |       |       |
| ALU_LA                 | 2419 # | 6529  | 6536  | 6539  | 10559 | 10563 | 10654 | 10664 | 10667 | 18760 | 19555 | 19874 |
|                        | 19987  | 21086 | 21094 | 21433 | 21595 | 22089 | 22136 | 23308 | 34510 | 34652 | 35478 |       |
| ALU_LA+K[]             | 2420 # | 5372  | 5379  | 19542 | 19607 | 21441 | 22330 | 24634 | 24904 | 36708 | 37328 | 40750 |
|                        | 40854  |       |       |       |       |       |       |       |       |       |       |       |
| ALU_LA+K[]+1           | 2421 # | 21701 | 37235 | 37449 |       |       |       |       |       |       |       |       |
| ALU_LA+K[].RLOG        | 2422 # | 27041 | 27146 | 27151 | 27167 |       |       |       |       |       |       |       |
| ALU_LA+LB              | 2423 # | 34713 |       |       |       |       |       |       |       |       |       |       |
| ALU_LA+LC              | 2424 # | 19333 | 19336 | 38869 |       |       |       |       |       |       |       |       |
| ALU_LA+LC+1            | 2425 # | 38875 |       |       |       |       |       |       |       |       |       |       |
| ALU_LA+LC+PSL.C        | 2426 # | 39484 | 39504 |       |       |       |       |       |       |       |       |       |
| ALU_LA+Q               | 2427 # | 20955 | 21070 | 21073 | 21725 |       |       |       |       |       |       |       |
| ALU_LA-D               | 2428 # | 5750  | 21882 | 24879 |       |       |       |       |       |       |       |       |
| ALU_LA-D-1             | 2429 # | 9848  | 9864  |       |       |       |       |       |       |       |       |       |
| ALU_LA-K[]             | 2430 # | 4479  | 5436  | 5761  | 16610 | 19972 | 20012 | 20018 | 20051 | 20095 | 20105 | 20793 |
|                        | 21060  | 21064 | 22166 | 22259 | 22267 | 22535 | 22729 | 22733 | 22751 | 22757 | 22780 | 22783 |
|                        | 22856  | 22874 | 22880 | 22896 | 22899 | 23024 | 23045 | 23086 | 23092 | 23097 | 23101 | 36315 |
|                        | 36813  | 39141 | 40561 | 40632 |       |       |       |       |       |       |       |       |
| ALU_LA-K[]-1           | 2431 # | 40331 |       |       |       |       |       |       |       |       |       |       |
| ALU_LA-K[].RLOG        | 2432 # | 27056 | 27069 |       |       |       |       |       |       |       |       |       |
| ALU_LA-LC              | 2433 # | 24505 | 24669 |       |       |       |       |       |       |       |       |       |
| ALU_LA-Q               | 2434 # | 22371 | 24811 |       |       |       |       |       |       |       |       |       |
| ALU_LA-Q-1             | 2435 # | 6197  | 20979 | 23033 | 23036 | 36628 |       |       |       |       |       |       |



|                         |        |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ALU_Q.OXT[] .ANDNOT.K[] | 2474 # | 19504 | 38352 | 38382 | 40206 |       |       |       |       |       |       |       |
| ALU_Q.OXT[] .OR.D       | 2476 # | 23270 | 38430 | 38466 | 38488 |       |       |       |       |       |       |       |
| ALU_Q.OXT[] .OR.K[]     | 2475 # | 19951 | 19955 |       |       |       |       |       |       |       |       |       |
| ALU_Q.AND.D             | 2477 # | 35041 |       |       |       |       |       |       |       |       |       |       |
| ALU_Q.AND.K[]           | 2478 # | 4395  | 5486  | 6804  | 14117 | 18753 | 19292 | 20205 | 20618 | 21232 | 21244 | 21817 |
|                         | 21828  | 21838 | 24449 | 24647 | 26490 | 26504 | 28047 | 30196 | 30200 | 30228 | 30237 | 30249 |
|                         | 30746  | 30790 | 30964 | 31039 | 34320 | 34335 | 34351 | 34370 | 36294 | 36893 | 36935 | 36951 |
|                         | 37000  | 37015 | 38000 |       |       |       |       |       |       |       |       |       |
| ALU_Q.ANDNOT.K[]        | 2479 # | 17416 | 18960 | 18974 | 19862 | 20121 | 20473 | 24021 | 31141 | 33520 | 34647 | 36942 |
|                         | 37805  | 37814 | 37977 | 38112 | 38480 | 38504 | 38552 | 38566 | 38577 | 38591 | 40213 |       |
| ALU_Q.ANDNOT.MASK       | 2480 # | 30071 | 32931 |       |       |       |       |       |       |       |       |       |
| ALU_Q.ANDNOT.R[]        | 2481 # | 37010 |       |       |       |       |       |       |       |       |       |       |
| ALU_Q.OR.K[]            | 2482 # | 5497  | 13862 | 19694 | 20073 | 20081 | 21899 | 21903 | 22076 | 24559 |       |       |
| ALU_Q.OR.LC             | 2483 # | 12964 | 20125 |       |       |       |       |       |       |       |       |       |
| ALU_Q.ORNOT.K[]         | 2484 # | 22123 | 22155 |       |       |       |       |       |       |       |       |       |
| ALU_Q.SXT[]             | 2485 # | 5744  | 20953 | 21493 | 23509 | 23557 | 23601 |       |       |       |       |       |
| ALU_Q.SXT[] +K[]        | 2486 # | 9668  |       |       |       |       |       |       |       |       |       |       |
| ALU_Q.SXT[] +LB         | 2487 # | 23607 | 26951 | 26964 |       |       |       |       |       |       |       |       |
| ALU_Q.SXT[] +LB+1       | 2488 # | 37022 |       |       |       |       |       |       |       |       |       |       |
| ALU_Q.SXT[] +PC         | 2489 # | 26955 | 26968 |       |       |       |       |       |       |       |       |       |
| ALU_Q.SXT[] .ANDNOT.K[] | 2490 # | 18399 |       |       |       |       |       |       |       |       |       |       |
| ALU_Q.XOR.D             | 2491 # | 3704  | 3738  | 12486 | 12524 | 16867 | 38230 |       |       |       |       |       |
| ALU_Q.XOR.K[]           | 2492 # | 12266 | 20276 | 21333 | 31063 | 31082 | 37612 | 40427 |       |       |       |       |
| ALU_Q.XOR.LC            | 2493 # | 3708  | 12305 | 12489 | 37644 |       |       |       |       |       |       |       |
| ALU_Q.XOR.R[]           | 2494 # | 3758  |       |       |       |       |       |       |       |       |       |       |
| ALU_Q[]D                | 2495 # | 5990  | 7885  | 22176 | 22219 | 23440 | 27185 | 27204 |       |       |       |       |
| ALU_R(DST)              | 2496 # | 26668 |       |       |       |       |       |       |       |       |       |       |
| ALU_R(SC) .ANDNOT.K[]   | 2497 # |       |       |       |       |       |       |       |       |       |       |       |
| ALU_R(SP1) +[] .RLOG    | 2498 # | 10430 | 31759 | 31898 |       |       |       |       |       |       |       |       |
| ALU_R(SC)               | 2499 # | 22054 | 38438 |       |       |       |       |       |       |       |       |       |
| ALU_R[]                 | 2500 # | 3674  | 4003  | 4020  | 4566  | 6129  | 6765  | 8203  | 8736  | 10116 | 10120 | 10124 |
|                         | 10131  | 10780 | 10784 | 10791 | 10807 | 10822 | 10835 | 10850 | 12563 | 13547 | 18880 | 20093 |
|                         | 20110  | 20118 | 21447 | 21466 | 21540 | 21910 | 22310 | 22519 | 23027 | 23256 | 23639 | 24170 |
|                         | 24175  | 24180 | 24185 | 24782 | 24787 | 24883 | 27643 | 27650 | 31398 | 32844 | 32859 | 32958 |
|                         | 34397  | 34416 | 34431 | 34550 | 34601 | 34667 | 34742 | 34747 | 36889 | 37456 | 37696 | 37729 |
|                         | 37943  | 38107 | 38242 | 38256 | 38341 | 38419 | 38520 | 38621 | 38684 | 38690 | 39287 | 39566 |
|                         | 39570  | 40775 | 41247 | 41250 | 41290 | 41365 | 41388 | 41452 | 41462 |       |       |       |
| ALU_RLOG                | 2501 # | 41284 |       |       |       |       |       |       |       |       |       |       |
| ALU_R[]                 | 2502 # | 6442  | 6716  | 6744  | 12404 | 12415 | 12451 | 13314 | 13322 | 13329 | 16094 | 16895 |
|                         | 17581  | 18799 | 19927 | 20690 | 20695 | 20700 | 20712 | 20993 | 20998 | 21090 | 21301 | 21305 |
|                         | 21681  | 21873 | 22337 | 22582 | 22609 | 22643 | 22674 | 22678 | 23178 | 34734 | 36192 | 36657 |
|                         | 36661  | 36818 | 37095 | 37374 | 40671 | 40813 | 40971 |       |       |       |       |       |
| ALU_R[] -K[]            | 2503 # | 36857 |       |       |       |       |       |       |       |       |       |       |
| ALU_R[] .AND.K[]        | 2504 # | 21558 | 21928 | 21931 | 23315 | 23319 | 23545 | 36177 | 36456 | 36519 | 37103 |       |
| ALU_R[] .AND.LC         | 2505 # | 37266 |       |       |       |       |       |       |       |       |       |       |
| ALU_R[] .ANDNOT.K[]     | 2506 # | 36648 | 36833 | 36846 | 37367 |       |       |       |       |       |       |       |
| ALU_R[] .ANDNOT.MASK    | 2507 # |       |       |       |       |       |       |       |       |       |       |       |
| ALU_R[] .OP.K[]         | 2508 # | 22105 | 22151 |       |       |       |       |       |       |       |       |       |
| ALU_R[] .ORNOT.K[]      | 2509 # | 20965 |       |       |       |       |       |       |       |       |       |       |
| ALU_R[] .XOR.K[]        | 2510 # | 4011  | 4025  | 10103 | 10135 | 10140 | 10816 | 10829 | 10841 | 10846 | 34392 | 34421 |
|                         | 34436  | 37951 |       |       |       |       |       |       |       |       |       |       |
| B.FORK                  | 3251 # | 5061  | 7157  | 7173  | 7331  | 7338  | 7347  | 7371  | 7375  | 7542  | 7789  | 8169  |
|                         | 8255   | 8330  | 14536 | 25529 | 33899 |       |       |       |       |       |       |       |
| BCDSGN?                 | 3354 # | 6693  | 18783 | 19116 | 19132 | 19183 | 19190 | 19193 | 19539 | 19895 | 19900 | 20278 |
|                         | 20869  | 20873 | 20879 | 20882 | 21354 | 21412 | 21946 | 22011 | 22119 | 22557 | 22562 |       |

ZZ-ESOAA-124.0 ;  
; P1W124.MCR 600,1204 ]  
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E 6  
MICRO2 1L(03) Cross Reference Lis14-Jan-82  
14-Jan-82 15:30:16  
Cross Reference Listing - Macro Names

Fiche 6 Frame E6  
VAX11/780 Microcode : PCS 01, FPLA 0E, WCS124

Sequence 1099  
Page 1098

BYTE

|                  |        |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
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|                  | 19201  | 19557 | 20008 | 20046 | 20277 | 20518 | 20521 | 20526 | 20696 | 20707 | 20713 | 20718 |
|                  | 20781  | 21015 | 21130 | 21318 | 21349 | 21365 | 21411 | 21484 | 21525 | 21544 | 21556 | 21682 |
|                  | 21689  | 21714 | 21883 | 21907 | 21911 | 21961 | 22311 | 22531 | 22583 | 22597 | 22610 | 22644 |
|                  | 22653  | 22675 | 22679 | 23130 | 23137 | 23223 | 23366 | 23523 | 23648 | 31063 | 31082 | 31127 |
|                  | 31151  | 31162 | 31168 | 31173 | 32787 | 36210 | 36429 | 40651 | 40800 |       |       |       |
| C.FORK           | 3254 # | 7611  | 7620  | 7628  | 7647  | 7808  | 7818  | 7822  | 7834  | 7872  | 7879  |       |
| C31?             | 3356 # | 3712  | 3748  | 3751  | 6824  | 6839  | 6942  | 9571  | 9575  | 11053 | 11059 | 11413 |
|                  | 11435  | 11542 | 11745 | 11766 | 11770 | 11837 | 11987 | 12493 | 12534 | 12537 | 12807 | 12828 |
|                  | 12832  | 12835 | 13025 | 15081 | 15195 | 15206 | 15217 | 15236 | 15470 | 15479 | 15500 | 15872 |
|                  | 15909  | 16377 | 16758 | 15768 | 19772 | 20846 | 24116 | 25107 | 26140 | 26208 | 26326 | 26381 |
|                  | 34702  | 34722 | 35134 | 35157 | 35292 | 35550 | 35570 | 35604 | 35620 | 35722 | 35738 | 35923 |
|                  | 35950  | 35956 | 35961 | 37351 | 37355 | 38809 | 38845 | 38864 | 39016 | 39026 | 39043 | 39053 |
|                  | 39076  | 39087 | 39100 | 39367 | 39376 | 39386 | 39425 | 39524 | 40029 | 40044 | 40115 |       |
| CACHE.INVALIDATE | 3255 # | 14097 |       |       |       |       |       |       |       |       |       |       |
| CACHE.P.DC]      | 2512 # | 25284 | 25302 | 25317 | 25324 | 29321 |       |       |       |       |       |       |
| CACHE[]_D        | 2513 # | 28578 | 28687 | 28797 | 28829 |       |       |       |       |       |       |       |
| CACHE_D(QUAD)    | 2514 # | 6921  |       |       |       |       |       |       |       |       |       |       |
| CACHE_D.INST.DEP | 2515 # | 7795  | 7839  | 9129  | 9141  | 9145  |       |       |       |       |       |       |
| CACHE_DC]        | 2516 # | 4940  | 5185  | 6871  | 7496  | 7847  | 8049  | 8111  | 8611  | 8679  | 8809  | 8812  |
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|                  | 15337  | 1543  | 15534 | 15540 | 17180 | 17184 | 17765 | 17889 | 18007 | 18036 | 18085 | 18166 |
|                  | 18905  | 19681 | 19941 | 20037 | 20072 | 20086 | 20150 | 20984 | 2131  | 22163 | 22284 | 22288 |
|                  | 22336  | 22355 | 22365 | 23052 | 23057 | 23060 | 23066 | 23069 | 23074 | 23077 | 23080 | 23083 |
|                  | 23089  | 23095 | 23827 | 23922 | 24268 | 24277 | 24291 | 24359 | 24375 | 24513 | 24521 | 24531 |
|                  | 24662  | 24672 | 24680 | 24815 | 24834 | 24882 | 24900 | 25493 | 27115 | 27120 | 27134 | 27139 |
|                  | 27156  | 27161 | 27266 | 27279 | 27329 | 27348 | 27868 | 27913 | 27918 | 28343 | 28358 | 28365 |
|                  | 30115  | 30778 | 31004 | 31010 | 31016 | 31301 | 31332 | 31353 | 31363 | 31373 | 31397 | 31429 |
|                  | 32189  | 32222 | 32322 | 32353 | 32359 | 32366 | 32584 | 32591 | 33853 | 33912 | 33931 | 33939 |
|                  | 33947  | 37836 | 37845 | 40565 | 40574 | 40590 | 40597 | 41131 | 41151 | 41157 | 41163 | 41186 |
|                  | 41415  |       |       |       |       |       |       |       |       |       |       |       |
| CACHE_DC].LK     | 2517 # | 8198  | 8815  | 8836  | 24464 | 24471 | 24547 | 24581 | 24628 | 24745 | 24753 |       |
| CACHE_DC].NOCHK  | 2518 # | 29292 |       |       |       |       |       |       |       |       |       |       |
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|                  | 6397   | 6427  | 6436  | 6475  | 6480  | 6546  | 6591  | 6882  | 7051  | 7212  | 7318  | 7323  |
|                  | 7354   | 7357  | 7450  | 7453  | 7697  | 7773  | 7782  | 7785  | 7856  | 7859  | 7940  | 7943  |
|                  | 7967   | 7970  | 8069  | 8072  | 8101  | 8104  | 8176  | 8601  | 8604  | 8646  | 8652  | 8664  |
|                  | 8726   | 8729  | 8758  | 8761  | 8866  | 8895  | 9017  | 9099  | 9106  | 9109  | 9176  | 9179  |
|                  | 9351   | 9381  | 9442  | 9538  | 9542  | 9555  | 9559  | 9621  | 9649  | 9659  | 9678  | 9704  |
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|                  | 10519  | 10523 | 10552 | 10591 | 10623 | 10673 | 10679 | 10716 | 10757 | 11083 | 11094 | 11100 |
|                  | 11138  | 11204 | 11233 | 11263 | 11303 | 11310 | 11329 | 11335 | 11594 | 11609 | 11632 | 11650 |
|                  | 11690  | 11866 | 12115 | 12134 | 12153 | 12167 | 12323 | 12352 | 12363 | 12385 | 12388 | 12434 |
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|                  | 14341  | 14351 | 14396 | 14589 | 14689 | 14866 | 15013 | 15032 | 15039 | 15132 | 15138 | 15174 |
|                  | 15480  | 15633 | 15720 | 15728 | 15732 | 15934 | 15972 | 16116 | 16132 | 16166 | 16170 | 16186 |
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: P1W124.MCR 600.1204]  
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CALLC]

CHK.FLT.OPR

CHK.ODD.ADDR  
CLK.WBCC

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| 22489  | 22494 | 22499 | 22520 | 22533 | 22577 | 22580 | 22607 | 22638 | 22810 | 22925 | 23221 |
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| 23496  | 23503 | 23512 | 23583 | 23587 | 23599 | 23611 | 23614 | 23621 | 23725 | 23795 | 23807 |
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| 24703  | 24761 | 24933 | 24961 | 24989 | 25032 | 25041 | 25076 | 25113 | 25140 | 25176 | 25180 |
| 25211  | 25337 | 25392 | 25404 | 25418 | 25432 | 25447 | 25460 | 25480 | 25519 | 25522 | 25538 |
| 25824  | 25827 | 25843 | 26268 | 26473 | 26476 | 26976 | 26979 | 27508 | 27586 | 27599 | 27611 |
| 27621  | 27725 | 27791 | 27838 | 27861 | 27926 | 28036 | 28079 | 28166 | 28178 | 28312 | 28335 |
| 28530  | 28535 | 28619 | 28624 | 28679 | 28757 | 28790 | 28822 | 28950 | 28982 | 29021 | 29087 |
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| 30553  | 30649 | 30672 | 30679 | 30683 | 30697 | 30701 | 30955 | 30975 | 31025 | 31105 | 31119 |
| 31291  | 31329 | 31342 | 31350 | 31366 | 31461 | 31471 | 31486 | 32122 | 32149 | 32234 | 32263 |
| 32546  | 32736 | 32771 | 32855 | 32871 | 32875 | 32901 | 32991 | 33072 | 33172 | 33225 | 33228 |
| 33231  | 33306 | 33337 | 33356 | 33375 | 33379 | 33406 | 33410 | 33421 | 33428 | 33464 | 33469 |
| 33487  | 33699 | 33780 | 33788 | 33796 | 33804 | 33807 | 33819 | 33822 | 33825 | 34074 | 34139 |
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| 36411  | 36563 | 36577 | 36594 | 36637 | 36711 | 36750 | 36758 | 36791 | 37066 | 37139 | 37159 |
| 37193  | 37212 | 37257 | 37281 | 37292 | 37401 | 37475 | 37487 | 37501 | 37698 | 37759 | 37762 |
| 37783  | 37795 | 37940 | 38147 | 38266 | 38359 | 38389 | 38636 | 38652 | 38668 | 38674 | 38685 |
| 38758  | 38764 | 38772 | 38797 | 38804 | 38815 | 39250 | 39256 | 39273 | 39288 | 39358 | 39367 |
| 39376  | 39386 | 39540 | 39546 | 39567 | 39591 | 39665 | 39682 | 39686 | 39695 | 39699 | 39707 |
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| 39790  | 39799 | 39804 | 39815 | 39819 | 39831 | 39836 | 39845 | 39850 | 39862 | 39866 | 39877 |
| 39881  | 39897 | 40086 | 40096 | 40217 | 40253 | 40265 | 40279 | 40308 | 40483 | 40500 | 40511 |
| 40535  | 40603 | 40627 | 40633 | 40646 | 40668 | 40679 | 40709 | 40714 | 40735 | 40743 | 40765 |
| 40810  | 40897 | 40907 | 40914 | 40935 | 40962 | 41053 | 41065 | 41094 | 41176 | 41180 | 41277 |
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| 16356  | 16360 | 16402 | 17055 | 17061 | 17066 | 17108 | 17203 | 23725 | 23839 | 23855 | 23866 |
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| 10706  | 10709 | 10715 | 10782 | 10788 | 10902 | 10926 | 10934 | 11899 | 12040 | 12063 | 12114 |
| 12133  | 12350 | 12360 | 12404 | 12415 | 12919 | 12934 | 13349 | 13361 | 13472 | 13517 | 13706 |
| 13726  | 13851 | 13899 | 32990 | 32999 | 33007 | 33069 | 33080 | 34336 | 34348 | 34551 | 34575 |
| 34602  | 36095 | 36124 | 36192 | 36294 | 36539 | 36910 | 36963 | 37001 | 37730 | 37983 | 38001 |
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| 3259 # | 26899 | 26928 | 26941 | 27043 | 27076 | 27348 |       |       |       |       |       |
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| 4017   | 4100  | 4105  | 4178  | 4201  | 4326  | 4396  | 4455  | 4463  | 4566  | 4654  | 4680  |
| 4909   | 5143  | 5416  | 5435  | 5481  | 5487  | 5508  | 5531  | 5541  | 5614  | 5747  | 5756  |
| 5776   | 5786  | 5794  | 5973  | 5985  | 6129  | 6174  | 6228  | 6281  | 6601  | 6711  | 6720  |
| 6726   | 6745  | 6765  | 6804  | 6812  | 6819  | 6829  | 6834  | 6847  | 6862  | 6918  | 6927  |
| 6960   | 6985  | 7326  | 7468  | 7934  | 7961  | 7988  | 8063  | 8089  | 8134  | 8342  | 8348  |
| 8422   | 8428  | 8452  | 8490  | 8595  | 8620  | 8623  | 8626  | 8685  | 8694  | 8707  | 8717  |
| 8736   | 8770  | 8797  | 8806  | 8853  | 8856  | 9445  | 9546  | 9563  | 9669  | 9796  | 9804  |

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| 9812   | 9976  | 10094 | 10100 | 10108 | 10162 | 10196 | 10207 | 10214 | 10239 | 10246 | 10275 |
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| 10427  | 10442 | 10470 | 10481 | 10537 | 10575 | 10633 | 10642 | 10689 | 10753 | 10786 | 10795 |
| 10913  | 10955 | 10963 | 10971 | 10979 | 11043 | 11049 | 11052 | 11315 | 11322 | 11417 | 11422 |
| 11439  | 11445 | 11457 | 11475 | 11502 | 11511 | 11539 | 11548 | 11551 | 11740 | 11790 | 11798 |
| 11821  | 11828 | 11854 | 11859 | 11908 | 11981 | 12058 | 12071 | 12177 | 12182 | 12266 | 12306 |
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| 13341  | 13440 | 13472 | 13510 | 13523 | 13543 | 13590 | 13702 | 13757 | 13852 | 13918 | 13964 |
| 14007  | 14118 | 14390 | 14479 | 14607 | 14617 | 14732 | 15072 | 15091 | 15098 | 15131 | 15179 |
| 15227  | 15234 | 15242 | 15248 | 15279 | 15291 | 15297 | 15361 | 15374 | 15455 | 15478 | 15487 |
| 15550  | 15582 | 15625 | 15668 | 15734 | 15756 | 15782 | 15787 | 15792 | 15797 | 15802 | 15841 |
| 15875  | 15906 | 15916 | 15954 | 16193 | 16233 | 16243 | 16340 | 16374 | 16380 | 16384 | 16465 |
| 16473  | 16487 | 16544 | 16673 | 16733 | 16745 | 16748 | 16801 | 16810 | 16834 | 16867 | 16875 |
| 16895  | 16952 | 17106 | 17129 | 17195 | 17416 | 17468 | 17567 | 17570 | 17581 | 17585 | 17610 |
| 17620  | 17689 | 17701 | 17738 | 17772 | 17783 | 17960 | 18042 | 18087 | 18178 | 18186 | 18194 |
| 18270  | 18275 | 18283 | 18299 | 18498 | 18761 | 18767 | 18786 | 18801 | 18811 | 18815 | 18987 |
| 19011  | 19024 | 19043 | 19074 | 19078 | 19147 | 19150 | 19342 | 19403 | 19407 | 19414 | 19554 |
| 19557  | 19595 | 19644 | 19777 | 19780 | 19870 | 19923 | 19932 | 19936 | 19983 | 19989 | 20017 |
| 20027  | 20038 | 20055 | 20058 | 20062 | 20068 | 20119 | 20125 | 20209 | 20270 | 20277 | 20302 |
| 20320  | 20325 | 20346 | 20363 | 20398 | 20517 | 20521 | 20526 | 20696 | 20707 | 20713 | 20718 |
| 20782  | 20839 | 20920 | 20994 | 20999 | 21015 | 21041 | 21295 | 21317 | 21349 | 21365 | 21411 |
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| 21714  | 21883 | 21900 | 21904 | 21907 | 21911 | 21945 | 21961 | 21979 | 21995 | 22042 | 22050 |
| 22092  | 22102 | 22208 | 22217 | 22230 | 22260 | 22285 | 22481 | 22488 | 22531 | 22549 | 22583 |
| 22597  | 22605 | 22610 | 22644 | 22653 | 22675 | 22679 | 22972 | 23003 | 23111 | 23141 | 23189 |
| 23366  | 23523 | 23645 | 23648 | 23711 | 23716 | 23719 | 23794 | 23839 | 23876 | 24037 | 24066 |
| 24071  | 24087 | 24107 | 24129 | 24170 | 24175 | 24180 | 24185 | 24340 | 24443 | 24530 | 24647 |
| 24702  | 24717 | 24793 | 24799 | 24838 | 24841 | 24860 | 24868 | 24955 | 24981 | 25024 | 25051 |
| 25056  | 25097 | 25125 | 25253 | 25281 | 25296 | 25309 | 25363 | 25535 | 25615 | 25773 | 25796 |
| 25840  | 25855 | 25878 | 25892 | 25898 | 26033 | 26038 | 26077 | 26088 | 26095 | 26133 | 26156 |
| 26203  | 26307 | 26323 | 26345 | 26375 | 26391 | 26595 | 27594 | 27602 | 27617 | 27624 | 28252 |
| 30072  | 30197 | 30201 | 30221 | 30229 | 30238 | 30250 | 30628 | 30747 | 30751 | 30791 | 31036 |
| 31039  | 31064 | 31083 | 31127 | 31151 | 31157 | 31162 | 31168 | 31173 | 31248 | 31400 | 31485 |
| 31529  | 31781 | 31800 | 31817 | 31836 | 31925 | 32071 | 32136 | 32144 | 32250 | 32257 | 32475 |
| 32492  | 32681 | 32717 | 32728 | 32740 | 32787 | 32844 | 32859 | 32931 | 32958 | 32997 | 33005 |
| 33078  | 33419 | 33426 | 33502 | 34320 | 34332 | 34343 | 34358 | 34407 | 34411 | 34496 | 34559 |
| 34585  | 34615 | 34620 | 34625 | 34630 | 34714 | 34718 | 34721 | 34737 | 35041 | 35098 | 35104 |
| 35140  | 35145 | 35163 | 35169 | 35184 | 35206 | 35239 | 35248 | 35289 | 35300 | 35303 | 35498 |
| 35525  | 35532 | 35539 | 35546 | 35555 | 35563 | 35585 | 35595 | 35603 | 35611 | 35619 | 35626 |
| 35633  | 35640 | 35649 | 35656 | 35667 | 35675 | 35683 | 35691 | 35702 | 35713 | 35721 | 35729 |
| 35737  | 35747 | 35755 | 35763 | 35771 | 35785 | 35859 | 35916 | 35929 | 35935 | 35948 | 36012 |
| 36072  | 36086 | 36109 | 36153 | 36178 | 36278 | 36316 | 36394 | 36430 | 36521 | 36534 | 36629 |
| 36649  | 36657 | 36661 | 36672 | 36680 | 36742 | 36814 | 36818 | 36834 | 36847 | 36857 | 36894 |
| 36936  | 36943 | 36993 | 37095 | 37104 | 37108 | 37236 | 37266 | 37276 | 37330 | 37339 | 37344 |
| 37347  | 37350 | 37368 | 37374 | 37405 | 37612 | 37645 | 37692 | 37873 | 37875 | 37937 | 37978 |
| 38005  | 38009 | 38045 | 38055 | 38060 | 38113 | 38217 | 38345 | 38354 | 38385 | 38549 | 38585 |
| 38706  | 38771 | 38803 | 38852 | 38858 | 38870 | 38876 | 38901 | 38906 | 38917 | 38956 | 39010 |
| 39015  | 39035 | 39042 | 39070 | 39075 | 39082 | 39085 | 39094 | 39129 | 39134 | 39142 | 39475 |
| 39507  | 39996 | 40022 | 40033 | 40038 | 40083 | 40120 | 40124 | 40208 | 40241 | 40325 | 40331 |
| 40428  | 40534 | 40570 | 40614 | 40651 | 40697 | 40800 | 40960 | 40971 | 41020 | 41238 | 41462 |
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| 3262 # | 3890  | 13400 | 13603 | 14020 | 14928 | 16095 | 16611 | 16963 | 17212 | 17223 | 17261 |
| 18366  | 18866 | 18869 | 19687 | 21141 | 21146 | 21502 | 24548 | 24559 | 24636 | 24655 | 24807 |
| 24845  | 24876 | 27931 | 28371 | 36445 | 40855 |       |       |       |       |       |       |





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: P1W124.MCR 600.1204  
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| D.B2?           | 3362 # | 16058 |       |       |       |       |       |       |       |       |       |       |
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|                 | 14618  | 23911 | 23956 | 23960 | 23969 | 24493 | 24774 | 24849 | 26237 | 26817 | 27487 | 27494 |
|                 | 29715  | 30492 | 30522 | 32489 | 36169 | 39976 | 39998 |       |       |       |       |       |
| DO?             | 3365 # | 18218 | 24461 | 24736 | 24741 |       |       |       |       |       |       |       |
| D2-0?           | 3366 # | 6772  | 6779  | 17630 | 24153 |       |       |       |       |       |       |       |
| D2?             | 3367 # | 24062 | 24104 |       |       |       |       |       |       |       |       |       |
| D3-0?           | 3368 # | 30967 |       |       |       |       |       |       |       |       |       |       |
| D31?            | 3369 # | 4579  | 8339  | 8419  | 9548  | 9565  | 9751  | 9797  | 12858 | 13215 | 14526 | 24015 |
|                 | 25858  | 25925 | 26080 | 27511 | 27872 | 29689 | 32464 | 32527 | 32672 | 32702 | 36000 | 36636 |
| D3?             | 3370 # | 6814  | 17623 | 30084 |       |       |       |       |       |       |       |       |
| DATA.TYPE?      | 3371 # | 5100  | 5237  | 5290  | 5341  | 7190  | 7194  | 7199  | 7216  | 7221  | 7254  | 7262  |
|                 | 7368   | 7668  | 7678  | 7702  | 7708  | 7725  | 7747  | 7756  | 7869  | 8988  | 8998  | 9022  |
|                 | 9028   | 9045  | 9078  | 33156 | 33164 | 33177 | 33183 | 33205 | 33665 | 33685 | 33710 | 33717 |
|                 | 33732  | 33766 |       |       |       |       |       |       |       |       |       |       |
| DBL?            | 3372 # | 32783 | 32788 | 32867 | 32910 |       |       |       |       |       |       |       |
| DC[_CACHE       | 2531 # | 3879  | 3884  | 4081  | 4650  | 4676  | 5156  | 5163  | 5232  | 5261  | 5285  | 5313  |
|                 | 5336   | 5385  | 5399  | 6698  | 6705  | 7203  | 7232  | 7346  | 7580  | 7689  | 7720  | 7833  |
|                 | 8782   | 8911  | 8915  | 9010  | 9040  | 9161  | 12588 | 13355 | 13467 | 13512 | 13721 | 13730 |
|                 | 13833  | 13857 | 13896 | 13903 | 14260 | 14283 | 14471 | 14500 | 15254 | 15270 | 15277 | 15398 |
|                 | 15515  | 15547 | 15760 | 15767 | 15774 | 15829 | 15953 | 16210 | 16226 | 16468 | 16472 | 16499 |
|                 | 16513  | 16787 | 16797 | 16847 | 16862 | 17017 | 17022 | 17150 | 17157 | 17483 | 17553 | 17640 |
|                 | 17645  | 17662 | 17666 | 17670 | 17859 | 17873 | 17885 | 17933 | 17950 | 18236 | 18249 | 19010 |
|                 | 19030  | 19075 | 19079 | 19101 | 19112 | 19172 | 19548 | 19619 | 19626 | 19888 | 19912 | 19919 |
|                 | 19982  | 20255 | 20267 | 20345 | 20511 | 21399 | 21955 | 21990 | 22099 | 22741 | 22761 | 22767 |
|                 | 22774  | 22786 | 22793 | 22798 | 22800 | 22805 | 22810 | 22813 | 22820 | 22823 | 22837 | 23692 |
|                 | 23751  | 23761 | 23768 | 23775 | 23955 | 23959 | 23963 | 23969 | 24001 | 24010 | 24301 | 24311 |
|                 | 24492  | 24778 | 24795 | 24861 | 25214 | 25223 | 26542 | 26556 | 26574 | 26859 | 26864 | 26897 |
|                 | 26917  | 26928 | 26941 | 26947 | 26959 | 27042 | 27075 | 30934 | 30939 | 30944 | 31221 | 31501 |
|                 | 31537  | 32744 | 32762 | 32774 | 32806 | 32826 | 33693 | 33725 | 33956 | 33963 | 33970 | 34068 |
|                 | 34089  | 34185 | 34193 | 34212 | 36106 | 36119 | 36251 | 36283 | 36316 | 36324 | 40498 | 40503 |
|                 | 40520  |       |       |       |       |       |       |       |       |       |       |       |
| DC[_CACHE.IBCHK | 2532 # | 27106 | 27125 | 33878 | 33885 | 33983 |       |       |       |       |       |       |
| DC[_CACHE.LK    | 2533 # | 8188  | 8791  | 24451 | 24537 | 24575 | 24618 | 24725 |       |       |       |       |
| DC[_CACHE.NOCHK | 2534 # | 29529 | 29534 | 29539 | 29560 |       |       |       |       |       |       |       |
| DC[_CACHE.P     | 2535 # | 25340 | 25356 | 25375 | 25383 | 25390 | 25402 | 25410 | 25438 | 27762 | 27811 | 28375 |
|                 | 29662  |       |       |       |       |       |       |       |       |       |       |       |
| DC[_CACHE.WCHK  | 2536 # | 4769  | 8785  | 8788  | 14739 | 14778 | 22864 | 22884 | 22888 | 22891 | 22902 | 22907 |
|                 | 22912  | 22914 | 22919 | 22924 | 22928 | 22933 | 22936 | 22946 | 23644 | 24260 | 24441 | 24716 |
|                 | 33863  | 33920 | 37712 | 37719 | 41099 | 41110 | 41142 |       |       |       |       |       |
| D_0             | 2538 # | 3686  | 4154  | 4475  | 4567  | 5638  | 6083  | 6384  | 6394  | 7166  | 7541  | 7619  |
|                 | 8231   | 8424  | 8943  | 9470  | 9502  | 9627  | 9685  | 9760  | 9772  | 9833  | 9865  | 9892  |
|                 | 10327  | 10486 | 10494 | 10511 | 10518 | 10594 | 10598 | 10709 | 10943 | 11080 | 11091 | 11173 |
|                 | 11516  | 11698 | 11921 | 12047 | 12084 | 12244 | 12248 | 12326 | 12414 | 12721 | 12726 | 12883 |
|                 | 12944  | 12954 | 12960 | 13043 | 13051 | 13457 | 13868 | 14084 | 14091 | 14419 | 14452 | 16380 |
|                 | 17211  | 17801 | 18476 | 18625 | 18990 | 18997 | 19001 | 19006 | 19420 | 19986 | 20271 | 20384 |
|                 | 20387  | 20508 | 20531 | 20535 | 20788 | 21331 | 21366 | 21517 | 21531 | 21851 | 21937 | 22014 |
|                 | 22018  | 22042 | 22069 | 22326 | 22579 | 22723 | 22726 | 22553 | 23158 | 23518 | 23520 | 23748 |
|                 | 23892  | 24784 | 25446 | 25479 | 26039 | 26045 | 26275 | 26292 | 26310 | 26634 | 27274 | 27490 |
|                 | 27643  | 27929 | 29612 | 29695 | 29733 | 30642 | 30666 | 30770 | 31053 | 31132 | 31143 | 31242 |
|                 | 31417  | 32904 | 33015 | 33023 | 33028 | 33093 | 33103 | 33107 | 33150 | 33525 | 33537 | 33587 |
|                 | 33628  | 34576 | 34757 | 34763 | 35252 | 35464 | 35831 | 35838 | 36295 | 36414 | 36540 | 36837 |
|                 | 36840  | 36869 | 36910 | 36987 | 37002 | 37069 | 37123 | 37127 | 37186 | 37215 | 37295 | 37404 |
|                 | 37428  | 37504 | 37555 | 37559 | 37600 | 37734 | 38109 | 38129 | 38167 | 38197 | 38232 | 38269 |

|                  | 38280  | 38295 | 38615 | 38627 | 38665 | 38715 | 38727 | 38738 | 38928 | 38936 | 39249 | 39294 |
|------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  | 39326  | 39361 | 39370 | 39381 | 39539 | 39595 | 39602 | 39626 | 39676 | 39715 | 39824 | 39871 |
|                  | 39987  | 40003 | 40085 | 40152 | 40311 | 40337 | 40342 | 40351 | 40412 | 40587 | 40761 | 40779 |
|                  | 40997  | 41383 |       |       |       |       |       |       |       |       |       |       |
| D_O+K[]+1        | 2539 # | 30501 | 30682 | 30700 |       |       |       |       |       |       |       |       |
| D_O+LC+1         | 2540 # | 15616 | 16876 |       |       |       |       |       |       |       |       |       |
| D_O-D            | 2541 # | 4126  | 9764  | 9819  | 9861  | 10356 | 10423 | 11539 | 11954 | 11971 | 12014 | 19318 |
|                  | 27599  | 27621 | 27628 | 35289 | 36879 | 37438 | 37608 | 38176 |       |       |       |       |
| D_O-K[]          | 2542 # | 6087  |       |       |       |       |       |       |       |       |       |       |
| D_O-Q            | 2543 # | 10372 | 39067 | 39085 |       |       |       |       |       |       |       |       |
| D_O-Q-1          | 2544 # | 39092 |       |       |       |       |       |       |       |       |       |       |
| D_ACCEL&SYNC     | 2545 # | 32125 | 32153 | 32162 | 32177 | 32238 | 32267 | 32278 | 32295 | 32315 | 32440 | 32552 |
|                  | 32557  | 32652 | 32656 | 32843 | 32864 | 33036 | 33116 |       |       |       |       |       |
| D_ALU            | 2546 # | 4085  | 4175  | 4421  | 4446  | 5143  | 5412  | 5415  | 5475  | 5778  | 5793  | 5891  |
|                  | 5983   | 5990  | 7929  | 9669  | 9690  | 12964 | 14216 | 14222 | 14231 | 14236 | 14253 | 15186 |
|                  | 15347  | 15460 | 16602 | 16623 | 17129 | 17176 | 17206 | 17216 | 17268 | 18738 | 18766 | 18862 |
|                  | 19284  | 19333 | 19336 | 19581 | 19585 | 19594 | 19641 | 19657 | 19694 | 19895 | 20029 | 20032 |
|                  | 20035  | 20045 | 20060 | 20066 | 20093 | 20152 | 20211 | 20282 | 20286 | 20517 | 20520 | 20614 |
|                  | 20624  | 20637 | 20659 | 20707 | 20718 | 20733 | 20747 | 20752 | 20758 | 20765 | 20846 | 20878 |
|                  | 20886  | 20889 | 20894 | 21015 | 21029 | 21033 | 21038 | 21228 | 21271 | 21333 | 21348 | 21436 |
|                  | 21585  | 21595 | 21616 | 21620 | 21649 | 21669 | 21688 | 21873 | 21879 | 21883 | 21928 | 21931 |
|                  | 21945  | 21973 | 22076 | 22176 | 22216 | 22219 | 22241 | 22457 | 22468 | 22472 | 22499 | 22531 |
|                  | 22650  | 22658 | 22662 | 22763 | 22771 | 23000 | 23138 | 23178 | 23256 | 23270 | 23316 | 23320 |
|                  | 23487  | 23493 | 23523 | 23547 | 23601 | 23608 | 23620 | 23655 | 23696 | 24459 | 24505 | 24508 |
|                  | 24559  | 24658 | 24669 | 24734 | 24739 | 24811 | 24873 | 24879 | 29453 | 29874 | 31279 | 31540 |
|                  | 34017  | 34023 | 34032 | 34038 | 34061 | 34402 | 37025 | 37090 | 37324 | 38030 | 38035 | 38135 |
|                  | 38188  | 38194 | 38227 | 38251 | 38341 | 38377 | 38412 | 38453 | 38459 | 38467 | 38481 | 38488 |
|                  | 38504  | 38557 | 38579 | 38595 | 38610 | 38691 | 38733 | 39034 | 39041 | 39048 | 39092 | 39097 |
|                  | 39318  | 40023 | 40120 | 40124 | 40213 | 40651 | 40758 | 41411 |       |       |       |       |
| D_ALU(FRAC)      | 2547 # | 10785 | 34504 | 34649 | 36980 |       |       |       |       |       |       |       |
| D_ALU.LEFT       | 2548 # | 10396 | 11737 | 11787 | 11795 | 11818 | 11825 | 13875 | 13880 | 13885 | 18837 | 18896 |
|                  | 19340  | 20141 | 20672 | 21964 | 23349 | 31107 | 31121 | 33593 | 35523 | 35530 | 35537 | 35544 |
|                  | 35592  | 35600 | 35608 | 35616 | 35664 | 35672 | 35680 | 35688 | 35710 | 35718 | 35726 | 35734 |
|                  | 35744  | 35752 | 35760 | 35768 | 36272 | 36307 | 39354 | 39430 | 39440 | 39464 | 39494 |       |
| D_ALU.LEFT2      | 2549 # | 21448 | 21547 | 21657 | 23639 | 24022 | 30965 | 31259 | 31264 | 31521 |       |       |
| D_ALU.LEFT3      | 2550 # | 5393  | 19615 | 31043 |       |       |       |       |       |       |       |       |
| D_ALU.RIGHT      | 2551 # | 5744  | 6744  | 18880 | 20696 | 20993 | 20998 | 21086 | 21094 | 21238 | 21681 | 21809 |
|                  | 22089  | 22519 | 22582 | 22609 | 22643 | 22674 | 22678 | 23397 | 26491 | 26505 | 34742 | 34747 |
|                  | 37456  | 41284 |       |       |       |       |       |       |       |       |       |       |
| D_ALU.RIGHT2     | 2552 # | 4607  | 14355 | 19538 | 19781 | 20082 | 21559 | 28048 | 33521 |       |       |       |
| D_BLANK          | 2553 # | 17446 | 17502 | 18603 |       |       |       |       |       |       |       |       |
| D_CACHE.INST.DEP | 2554 # | 7330  | 7334  | 7807  | 7813  | 9148  | 9152  | 12580 |       |       |       |       |
| D_CACHE.LK[]     | 2555 # | 28566 |       |       |       |       |       |       |       |       |       |       |
| D_CACHE.WCHK[]   | 2556 # | 28572 | 28682 | 28793 | 28825 |       |       |       |       |       |       |       |
| D_CACHE[]        | 2557 # | 28560 | 28673 | 28785 | 28817 |       |       |       |       |       |       |       |
| D_D(FRAC)        | 2558 # | 10098 | 10211 | 10279 | 10588 | 10713 | 12112 | 12131 | 12344 | 12359 | 12930 | 13470 |
|                  | 13516  |       |       |       |       |       |       |       |       |       |       |       |
| D_D+K[]          | 2559 # | 4150  | 6601  | 8590  | 10408 | 10427 | 11047 | 11482 | 11981 | 12070 | 12834 | 12844 |
|                  | 13022  | 14148 | 15620 | 28304 | 34718 | 35215 | 35960 | 35972 | 37347 | 39008 |       |       |
| D_D+K[]+1        | 2560 # | 17506 |       |       |       |       |       |       |       |       |       |       |
| D_D+LB           | 2561 # | 6054  | 6058  | 10633 | 10753 | 21697 |       |       |       |       |       |       |
| D_D+LC           | 2562 # | 8655  | 8667  | 12801 | 14726 | 21632 | 35915 |       |       |       |       |       |
| D_D+LC+PSL.C     | 2563 # | 22232 |       |       |       |       |       |       |       |       |       |       |
| D_D+Q            | 2564 # | 4876  | 6041  | 6050  | 6905  | 8195  | 9546  | 9563  | 10359 | 10391 | 10401 | 11416 |
|                  | 12141  | 12176 | 21630 | 21666 | 21693 | 21708 | 22228 | 26073 | 26143 | 27430 | 29512 | 35139 |

|                      |        |       |       |       |       |       |       |       |       |       |       |       |  |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|                      | 38850  |       |       |       |       |       |       |       |       |       |       |       |  |
| D_D+Q+1              | 2565 # | 11421 | 35144 | 38856 |       |       |       |       |       |       |       |       |  |
| D_D-K[]              | 2566 # | 7374  | 7878  | 8094  | 16901 | 18569 | 18576 | 27909 | 30521 | 31126 | 31156 | 31167 |  |
|                      | 35047  | 36057 | 40479 |       |       |       |       |       |       |       |       |       |  |
| D_D-LC               | 2567 # | 21646 |       |       |       |       |       |       |       |       |       |       |  |
| D_D-Q                | 2568 # | 5961  | 6046  | 9695  | 10363 | 11444 | 12144 | 12181 | 21634 | 21678 | 22185 | 22191 |  |
|                      | 22235  | 22655 | 26104 | 35168 |       |       |       |       |       |       |       |       |  |
| D_D-Q-1              | 2569 # | 11438 | 35162 |       |       |       |       |       |       |       |       |       |  |
| D_D.OXT[]            | 2570 # | 8141  | 8168  | 13289 | 13618 | 13675 | 30047 | 31464 | 36048 | 40529 |       |       |  |
| D_D.OXT[]+K[]        | 2571 # | 22788 | 23754 |       |       |       |       |       |       |       |       |       |  |
| D_D.OXT[]+Q          | 2572 # | 22763 | 22771 |       |       |       |       |       |       |       |       |       |  |
| D_D.OXT[]+Q+1        | 2573 # | 17268 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.OXT[].ANDNOT.K[] | 2574 # | 23793 | 23837 | 30027 |       |       |       |       |       |       |       |       |  |
| D_D.OXT[].OR.Q       | 2575 # | 26563 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.OXT[].XOR.Q      | 2576 # | 3691  | 3734  | 12482 | 12520 | 31513 |       |       |       |       |       |       |  |
| D_D.OXT[].XOR.RC[]   | 2577 # | 24122 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.AND.K[]          | 2578 # | 17558 | 17837 | 17846 | 17960 | 18095 | 18129 | 18173 | 18202 | 18270 | 18274 | 24103 |  |
|                      | 24949  | 25908 | 26032 | 26178 | 26384 | 26560 | 29571 | 30633 | 31254 |       |       |       |  |
| D_D.AND.K[].LEFT2    | 2579 # | 23900 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.AND.K[].RIGHT    | 2580 # | 24979 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.AND.LC           | 2581 # | 5692  | 14662 | 14767 |       |       |       |       |       |       |       |       |  |
| D_D.AND.MASK         | 2582 # | 27317 | 30506 |       |       |       |       |       |       |       |       |       |  |
| D_D.AND.Q            | 2583 # | 14359 | 14562 | 14650 |       |       |       |       |       |       |       |       |  |
| D_D.AND.RC[]         | 2584 # | 23709 | 23714 | 29304 | 29581 | 29669 | 30978 |       |       |       |       |       |  |
| D_D.ANDNOT.K[]       | 2585 # | 15935 | 15973 | 16052 | 18782 | 22010 | 22118 | 22280 | 22555 | 22595 | 24543 | 24578 |  |
|                      | 24625  | 34772 | 37460 | 37990 |       |       |       |       |       |       |       |       |  |
| D_D.ANDNOT.LC        | 2586 # | 14803 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.ANDNOT.PSWZ      | 2587 # | 18065 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.ANDNOT.Q         | 2588 # | 14674 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.ANDNOT.RC[]      | 2589 # | 4098  | 4103  |       |       |       |       |       |       |       |       |       |  |
| D_D.LEFT             | 2590 # | 10316 | 12097 | 12234 | 12334 | 12752 | 12786 | 12839 | 12849 | 12863 | 12924 | 13268 |  |
|                      | 13770  | 13839 | 13959 | 14400 | 27382 | 27409 | 27439 | 27477 | 35893 | 35967 | 36005 | 36167 |  |
|                      | 36257  | 36389 | 37102 | 51523 |       |       |       |       |       |       |       |       |  |
| D_D.LEFT2            | 2591 # | 6899  | 13419 | 13766 | 14418 | 14458 | 23757 | 29490 | 29499 | 29644 | 36163 |       |  |
| D_D.OR.ASCII         | 2592 # | 17993 | 18003 |       |       |       |       |       |       |       |       |       |  |
| D_D.OR.K[]           | 2593 # | 3955  | 17993 | 18003 | 22348 | 22350 | 23010 | 23012 | 24160 | 25183 | 26230 | 26350 |  |
|                      | 26355  | 26363 | 29566 | 29858 | 29862 | 29865 | 29894 | 31420 | 31423 | 31426 | 34499 | 38260 |  |
| D_D.OR.PSWC          | 2594 # | 18022 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.OR.PSWV          | 2595 # | 18353 |       |       |       |       |       |       |       |       |       |       |  |
| D_D.OR.Q             | 2596 # | 5032  | 14806 | 20932 | 20938 | 26262 | 30712 | 37030 | 37462 |       |       |       |  |
| D_D.OR.RC[]          | 2597 # | 12756 | 14786 | 24984 | 26240 | 30655 | 30982 |       |       |       |       |       |  |
| D_D.OR.R[]           | 2598 # | 34777 | 34783 |       |       |       |       |       |       |       |       |       |  |
| D_D.ORNOT.MASK       | 2599 # | 25018 | 25266 | 26266 | 27321 | 29288 | 29316 | 29603 |       |       |       |       |  |
| D_D.RIGHT            | 2600 # | 4571  | 8769  | 9482  | 10178 | 10189 | 10231 | 10263 | 10298 | 10306 | 12380 | 12732 |  |
|                      | 13105  | 13538 | 18288 | 18305 | 24256 | 24325 | 24331 | 26058 | 26777 | 27313 | 27325 | 35853 |  |
|                      | 37110  |       |       |       |       |       |       |       |       |       |       |       |  |
| D_D.RIGHT(B)         | 2601 # | 5610  | 27386 | 27397 | 27443 | 27453 |       |       |       |       |       |       |  |
| D_D.RIGHT2           | 2602 # | 4590  | 6902  | 9241  | 9242  | 9243  | 9244  | 9245  | 9246  | 9247  | 9248  | 9250  |  |
|                      | 9251   | 9252  | 9253  | 9254  | 9255  | 9256  | 9257  | 9262  | 9263  | 9264  | 9265  | 9266  |  |
|                      | 9267   | 9268  | 9269  | 9272  | 9273  | 9274  | 9275  | 9276  | 9277  | 9278  | 9279  | 9283  |  |
|                      | 9284   | 9285  | 9286  | 9466  | 9476  | 9537  | 9554  | 10622 | 12878 | 12890 | 12893 | 12894 |  |
|                      | 12895  | 12896 | 12901 | 12904 | 12905 | 12906 | 12907 | 12977 | 13491 | 17679 | 23725 | 23854 |  |
|                      | 23952  | 27526 | 27531 |       |       |       |       |       |       |       |       |       |  |
| D_D.SWAP             | 2603 # | 4818  | 4908  | 5025  | 5480  | 5507  | 6175  | 7041  | 7054  | 7110  | 14151 | 14163 |  |
|                      | 14870  | 14968 | 15037 | 15576 | 15624 | 15659 | 15888 | 15894 | 16119 | 16359 | 16428 | 16432 |  |



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: P1W124.MCR 600,1204 ]  
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|                |        |       |       |       |       |       |       |       |       |       |       |       |
|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| D_LA-K[]       | 2622 # | 18043 |       |       |       |       |       |       |       |       |       |       |
| D_LA.AND.K[]   | 2623 # | 19432 |       |       |       |       |       |       |       |       |       |       |
| D_LA.RIGHT     | 2624 # | 26749 | 26765 |       |       |       |       |       |       |       |       |       |
| D_LB           | 2625 # | 16406 | 16496 | 16528 | 23187 | 33599 |       |       |       |       |       |       |
| D_LB.PC        | 2626 # | 26479 | 27195 | 27298 |       |       |       |       |       |       |       |       |
| D_LC           | 2627 # | 5773  | 10932 | 11577 | 12079 | 12271 | 12662 | 13379 | 13706 | 17106 | 18076 | 22208 |
|                | 36076  | 37841 | 39183 | 39211 | 39681 | 41032 |       |       |       |       |       |       |
| D_LC(FRAC)     | 2628 # | 10899 | 12061 |       |       |       |       |       |       |       |       |       |
| D_NOT.D        | 2629 # | 9857  | 11475 | 14546 | 35206 |       |       |       |       |       |       |       |
| D_NOT.K[]      | 2630 # | 14160 |       |       |       |       |       |       |       |       |       |       |
| D_NOT.MASK     | 2631 # | 14063 |       |       |       |       |       |       |       |       |       |       |
| D_NOT.Q        | 2632 # | 8430  |       |       |       |       |       |       |       |       |       |       |
| D_NOT.R[]      | 2633 # | 15186 | 15460 |       |       |       |       |       |       |       |       |       |
| D_PACK.FP      | 2634 # | 6339  | 6421  | 10293 | 10301 | 11950 | 11977 | 12021 | 12101 | 12375 | 13028 | 13033 |
|                | 34753  | 37007 | 37118 | 37458 |       |       |       |       |       |       |       |       |
| D_PACK.FP.LEFT | 2635 # | 4425  | 23161 | 23164 |       |       |       |       |       |       |       |       |
| D_PC           | 2636 # | 4725  | 7298  | 7490  | 7875  | 8042  | 14308 | 23914 | 26456 | 26625 | 26655 | 26683 |
|                | 26706  | 26736 | 26771 | 26774 | 26820 | 26832 | 26911 | 26935 | 27375 | 27423 | 28353 | 29019 |
|                | 29424  | 31061 | 34114 |       |       |       |       |       |       |       |       |       |
| D_PC.LEFT      | 2637 # | 29429 | 29435 | 29441 | 29551 |       |       |       |       |       |       |       |
| D_Q            | 2638 # | 4130  | 4272  | 4575  | 5098  | 5289  | 5340  | 5375  | 5662  | 5827  | 5833  | 5838  |
|                | 6104   | 6594  | 6714  | 6851  | 6874  | 6931  | 6935  | 6945  | 6952  | 7026  | 7107  | 7126  |
|                | 7156   | 7251  | 7260  | 7365  | 7550  | 7609  | 7701  | 7724  | 7744  | 7817  | 7821  | 7843  |
|                | 7866   | 8358  | 8406  | 8470  | 8554  | 8563  | 8573  | 8584  | 8935  | 9020  | 9044  | 9064  |
|                | 9186   | 9309  | 9324  | 9422  | 9498  | 9781  | 9787  | 9823  | 9871  | 9879  | 9957  | 9966  |
|                | 9972   | 9983  | 9990  | 10151 | 10206 | 10368 | 10626 | 10738 | 10780 | 10800 | 10918 | 11005 |
|                | 11109  | 11136 | 11202 | 11231 | 11300 | 11307 | 11339 | 11343 | 11348 | 11352 | 11356 | 11361 |
|                | 11368  | 11381 | 11410 | 11433 | 11471 | 11488 | 11497 | 11564 | 11568 | 11630 | 11648 | 11730 |
|                | 11832  | 11912 | 11947 | 12030 | 12306 | 12552 | 12712 | 12744 | 12748 | 12759 | 12762 | 12772 |
|                | 12777  | 12782 | 12796 | 12807 | 12822 | 12827 | 12985 | 13071 | 13078 | 13084 | 13115 | 13120 |
|                | 13126  | 13154 | 13163 | 13185 | 13234 | 13239 | 13336 | 13498 | 13521 | 13758 | 13762 | 13828 |
|                | 13844  | 13954 | 13963 | 14414 | 14425 | 14436 | 14587 | 14625 | 14694 | 14783 | 14848 | 14965 |
|                | 15048  | 15137 | 15162 | 15354 | 15393 | 15439 | 15469 | 16415 | 16438 | 16458 | 16491 | 16518 |
|                | 16579  | 16721 | 16726 | 16999 | 17065 | 17265 | 17716 | 17725 | 17829 | 18014 | 18069 | 18133 |
|                | 18195  | 18313 | 18323 | 18542 | 18589 | 18594 | 18756 | 18951 | 19065 | 19148 | 19166 | 19182 |
|                | 19348  | 19757 | 19843 | 19846 | 19853 | 19925 | 20501 | 20650 | 20684 | 20867 | 20872 | 20904 |
|                | 21234  | 21279 | 21308 | 21310 | 21402 | 21406 | 21589 | 21603 | 21611 | 21848 | 21857 | 21908 |
|                | 21934  | 21970 | 22054 | 22226 | 22265 | 22291 | 22315 | 22339 | 22463 | 23399 | 23436 | 23445 |
|                | 23818  | 23822 | 23866 | 23869 | 23966 | 23976 | 24038 | 24051 | 24060 | 24077 | 24093 | 24249 |
|                | 24265  | 24274 | 24282 | 24354 | 24362 | 24379 | 24475 | 24488 | 24516 | 24525 | 24540 | 24640 |
|                | 24644  | 24677 | 24685 | 24758 | 24773 | 24820 | 24829 | 24849 | 24888 | 24905 | 25029 | 25074 |
|                | 25079  | 25111 | 25116 | 25230 | 25279 | 25490 | 25498 | 25528 | 25790 | 26134 | 26334 | 26346 |
|                | 26367  | 26376 | 26892 | 27047 | 27111 | 27335 | 27343 | 27367 | 27416 | 27449 | 27471 | 27502 |
|                | 27567  | 27571 | 27575 | 27718 | 27816 | 27895 | 27900 | 27994 | 28027 | 28196 | 28205 | 28222 |
|                | 28227  | 28362 | 28518 | 28550 | 28606 | 28741 | 28777 | 28866 | 28890 | 28940 | 28975 | 28997 |
|                | 29308  | 29593 | 29682 | 29900 | 29933 | 29939 | 29945 | 29951 | 30188 | 30363 | 30564 | 30569 |
|                | 30583  | 30600 | 30605 | 30616 | 30624 | 30774 | 30923 | 30972 | 30992 | 30999 | 31105 | 31110 |
|                | 31119  | 31285 | 31290 | 31294 | 31328 | 31341 | 31471 | 31475 | 32012 | 32363 | 32467 | 32488 |
|                | 32501  | 32510 | 32613 | 32675 | 32690 | 32717 | 32728 | 32737 | 33085 | 33146 | 33175 | 33214 |
|                | 33328  | 33334 | 33633 | 33707 | 33730 | 33815 | 33895 | 33916 | 33934 | 33943 | 33975 | 34160 |
|                | 34201  | 34215 | 34314 | 34408 | 34529 | 34536 | 34662 | 34829 | 34850 | 34962 | 34999 | 35004 |
|                | 35008  | 35018 | 35035 | 35050 | 35069 | 35074 | 35080 | 35090 | 35114 | 35132 | 35155 | 35201 |
|                | 35227  | 35235 | 35307 | 35387 | 35406 | 35491 | 35509 | 35515 | 35785 | 35820 | 35860 | 35875 |
|                | 35880  | 35889 | 35906 | 35921 | 35941 | 35950 | 35984 | 35991 | 35996 | 36149 | 36158 | 36245 |
|                | 36265  | 36290 | 36382 | 36393 | 36515 | 36576 | 36696 | 36701 | 36765 | 36773 | 36784 | 36865 |

|                 |        |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 | 36899  | 37371 | 37497 | 37522 | 37589 | 37646 | 37680 | 37741 | 38046 | 38056 | 38141 | 38201 |
|                 | 38355  | 38384 | 38433 | 38500 | 38562 | 38843 | 38971 | 38974 | 38989 | 39146 | 39155 | 39169 |
|                 | 39227  | 39338 | 39405 | 39458 | 39515 | 39518 | 39633 | 39636 | 39650 | 39664 | 39673 | 39705 |
|                 | 39719  | 39731 | 39745 | 39772 | 39814 | 39829 | 39885 | 39928 | 39943 | 39975 | 40047 | 40051 |
|                 | 40168  | 40172 | 40209 | 40408 | 40571 | 40593 | 40839 | 40879 | 40886 | 41021 | 41039 | 41088 |
|                 | 41127  | 41145 | 41154 | 41166 | 41251 | 41261 | 41315 | 41435 | 41441 |       |       |       |
| D_Q(FRAC)       | 2639 # | 10331 | 12916 |       |       |       |       |       |       |       |       |       |
| D_Q+D           | 2640 # | 16888 |       |       |       |       |       |       |       |       |       |       |
| D_Q+K[]         | 2641 # | 14571 |       |       |       |       |       |       |       |       |       |       |
| D_Q+LB          | 2642 # | 19372 |       |       |       |       |       |       |       |       |       |       |
| D_Q+PC          | 2643 # | 8079  |       |       |       |       |       |       |       |       |       |       |
| D_Q-D           | 2644 # | 8865  | 8894  | 27258 |       |       |       |       |       |       |       |       |
| D_Q-D-1         | 2645 # | 16748 |       |       |       |       |       |       |       |       |       |       |
| D_Q-K[]         | 2646 # | 5060  | 6927  | 15247 | 15290 | 15296 | 15453 | 15486 | 18281 | 18298 |       |       |
| D_Q-K[]-1       | 2647 # | 6811  | 6817  | 6827  | 6832  | 6845  | 6860  | 6958  | 15178 | 17782 |       |       |
| D_Q-PCSV        | 2648 # | 13615 | 30044 |       |       |       |       |       |       |       |       |       |
| D_Q.OXT[]       | 2649 # | 15667 |       |       |       |       |       |       |       |       |       |       |
| D_Q.AND.K[]     | 2650 # | 23211 | 25772 |       |       |       |       |       |       |       |       |       |
| D_Q.AND.LC      | 2651 # | 31337 |       |       |       |       |       |       |       |       |       |       |
| D_Q.AND.MASK    | 2652 # | 23927 | 25505 | 27738 | 27963 | 30059 |       |       |       |       |       |       |
| D_Q.AND.RC[]    | 2653 # | 14794 | 31349 |       |       |       |       |       |       |       |       |       |
| D_Q.ANDNOT.D    | 2654 # | 26497 |       |       |       |       |       |       |       |       |       |       |
| D_Q.ANDNOT.K[]  | 2655 # | 14841 | 26211 | 26236 | 26257 | 28024 | 31412 | 41270 |       |       |       |       |
| D_Q.ANDNOT.MASK | 2656 # | 30487 |       |       |       |       |       |       |       |       |       |       |
| D_Q.ANDNOT.PSWC | 2657 # | 17601 |       |       |       |       |       |       |       |       |       |       |
| D_Q.ANDNOT.PSWN | 2658 # | 17805 |       |       |       |       |       |       |       |       |       |       |
| D_Q.ANDNOT.PSWZ | 2659 # | 18017 | 18329 |       |       |       |       |       |       |       |       |       |
| D_Q.LEFT        | 2660 # | 10405 |       |       |       |       |       |       |       |       |       |       |
| D_Q.OR.K[]      | 2661 # | 10034 | 13065 | 17517 | 18374 | 24202 | 26340 | 27975 | 27980 | 27989 | 28008 | 28021 |
|                 | 32478  | 32684 | 36780 | 41085 |       |       |       |       |       |       |       |       |
| D_Q.OR.PSWC     | 2662 # | 17604 | 17812 | 18061 |       |       |       |       |       |       |       |       |
| D_Q.OR.RC[]     | 2663 # | 26197 |       |       |       |       |       |       |       |       |       |       |
| D_Q.ORNOT.MASK  | 2664 # | 25245 | 26220 | 29713 | 30490 |       |       |       |       |       |       |       |
| D_Q.RIGHT       | 2665 # | 14688 | 28334 |       |       |       |       |       |       |       |       |       |
| D_Q.RIGHT2      | 2666 # | 5593  | 8748  | 14407 | 14599 |       |       |       |       |       |       |       |
| D_Q.SXT[]       | 2667 # | 9611  | 9619  | 9676  | 9681  | 26816 | 27485 |       |       |       |       |       |
| D_Q.XOR.RC[]    | 2668 # | 3678  | 3697  | 3724  | 12468 | 12511 | 37872 |       |       |       |       |       |
| D_Q[]D          | 2669 # | 8144  | 8160  |       |       |       |       |       |       |       |       |       |
| D_Q[]K[]        | 2670 # | 38116 |       |       |       |       |       |       |       |       |       |       |
| D_Q[]MASK       | 2671 # | 27891 |       |       |       |       |       |       |       |       |       |       |
| D_R(PRN+1)      | 2672 # | 7182  | 7646  | 8968  | 11184 | 11198 | 11592 | 11625 | 12574 | 33570 | 34825 | 35345 |
|                 | 35383  | 37708 |       |       |       |       |       |       |       |       |       |       |
| D_R(SC)         | 2673 # | 23806 | 23918 | 25307 | 31071 | 33608 |       |       |       |       |       |       |
| D_R(SP1+1)      | 2674 # | 11131 |       |       |       |       |       |       |       |       |       |       |
| D_R(SC)         | 2675 # | 25068 | 25120 | 38084 | 38838 | 39201 | 40235 |       |       |       |       |       |
| D_RC[]          | 2676 # | 5902  | 5022  | 5036  | 5571  | 5730  | 5856  | 6255  | 6278  | 6284  | 6287  | 6433  |
|                 | 6857   | 7801  | 8221  | 8364  | 8435  | 8446  | 8460  | 8481  | 8489  | 8975  | 9166  | 9440  |
|                 | 9791   | 9844  | 9868  | 9874  | 9884  | 10037 | 10456 | 10957 | 10965 | 10973 | 10981 | 11404 |
|                 | 12330  | 12427 | 12558 | 13000 | 13059 | 13218 | 13659 | 15879 | 16733 | 16745 | 16974 | 17428 |
|                 | 17658  | 17748 | 17987 | 17998 | 18030 | 18115 | 18633 | 19300 | 21326 | 21345 | 21541 | 22568 |
|                 | 22587  | 23476 | 23514 | 23850 | 24115 | 24139 | 24344 | 24349 | 24650 | 24964 | 24970 | 25008 |
|                 | 25023  | 25313 | 25320 | 25424 | 25463 | 26280 | 26395 | 27800 | 27805 | 27825 | 27830 | 28185 |
|                 | 28300  | 28388 | 29075 | 30100 | 30108 | 30119 | 30546 | 30577 | 30589 | 30660 | 31791 | 31824 |
|                 | 32731  | 33083 | 33337 | 33576 | 33624 | 33909 | 33927 | 34324 | 34490 | 34554 | 34597 | 34605 |
|                 | 35128  | 35322 | 36666 | 36749 | 36757 | 37280 | 37306 | 37474 | 37486 | 37687 | 37932 | 38147 |

|                    |        |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                    | 38265  | 38397 | 38543 | 38574 | 38584 | 38678 | 38696 | 38901 | 38923 | 38940 | 38983 | 39366 |
|                    | 39374  | 39384 | 39423 | 39447 | 39471 | 39491 | 39522 | 39642 | 39690 | 39740 | 39754 | 39767 |
|                    | 39780  | 39794 | 39841 | 39854 | 39876 | 39936 | 40100 | 40220 | 40251 | 40277 | 40347 | 40389 |
|                    | 40548  | 40581 | 40610 | 40694 | 40730 | 40742 | 40955 | 40980 | 40986 | 41160 | 41233 | 41255 |
|                    | 41361  | 41392 | 41448 | 41473 |       |       |       |       |       |       |       |       |
| D_RLOG             | 2677 # | 19522 | 30004 |       |       |       |       |       |       |       |       |       |
| D_RLOG.RIGHT       | 2678 # | 6252  | 10453 | 31784 | 31928 |       |       |       |       |       |       |       |
| D_R[]              | 2679 # | 6807  | 7100  | 7120  | 11390 | 11704 | 12420 | 13293 | 13680 | 13786 | 13808 | 13821 |
|                    | 15061  | 15114 | 15156 | 15680 | 15684 | 16130 | 16277 | 16448 | 16669 | 16819 | 16950 | 17111 |
|                    | 17736  | 18493 | 18508 | 18512 | 18520 | 18559 | 19405 | 21525 | 21556 | 23230 | 23290 | 23300 |
|                    | 23417  | 23555 | 23586 | 23597 | 23648 | 24134 | 25297 | 25453 | 28259 | 28295 | 28315 | 28320 |
|                    | 28339  | 31360 | 31369 | 31571 | 35487 | 36043 | 36186 | 36218 | 36237 | 40090 | 40451 | 40469 |
|                    | 40473  | 40796 |       |       |       |       |       |       |       |       |       |       |
| D_R[](FRAC)        | 2680 # | 13437 |       |       |       |       |       |       |       |       |       |       |
| D_R[].AND.K[]      | 2681 # | 15733 | 16192 | 18393 | 23153 |       |       |       |       |       |       |       |
| D_R[].OR.K[]       | 2682 # | 7038  |       |       |       |       |       |       |       |       |       |       |
| D_R[].ORNOT.K[]    | 2683 # | 17176 | 17206 |       |       |       |       |       |       |       |       |       |
| E_FORK             | 3273 # | 33365 | 40904 |       |       |       |       |       |       |       |       |       |
| EALU.N?            | 3374 # | 8360  | 8442  | 11565 | 11569 | 14626 | 14740 | 24078 | 24094 | 24961 | 26356 | 28260 |
| EALU.Z?            | 3375 # | 6990  | 10919 | 11913 | 13406 | 13449 | 13775 | 13861 | 25285 | 25304 | 25358 | 30759 |
| EALU?              | 3376 # | 3716  | 3730  | 3767  | 3778  | 4770  | 5368  | 6080  | 6310  | 6526  | 6622  | 6626  |
|                    | 10100  | 10109 | 10163 | 10215 | 10247 | 10283 | 10323 | 10377 | 10385 | 10541 | 10580 | 10647 |
|                    | 10693  | 10797 | 10801 | 11276 | 11552 | 12399 | 12411 | 12497 | 12517 | 12544 | 12575 | 12589 |
|                    | 12939  | 13552 | 13556 | 13945 | 13950 | 14493 | 18991 | 19013 | 19033 | 19157 | 19160 | 19558 |
|                    | 19677  | 19975 | 20063 | 20297 | 20348 | 20531 | 20817 | 20830 | 20833 | 20843 | 20850 | 20853 |
|                    | 21604  | 21651 | 22008 | 22045 | 22505 | 22569 | 23729 | 24989 | 31413 | 32943 | 33012 | 33091 |
|                    | 34344  | 34965 | 34972 | 34978 | 35308 | 37726 | 37741 | 38251 | 38586 | 38728 | 38734 | 38740 |
|                    | 38918  | 38962 | 41295 | 41318 |       |       |       |       |       |       |       |       |
| EALU_D(EXP)        | 2685 # | 13852 |       |       |       |       |       |       |       |       |       |       |
| EALU_FE            | 2686 # | 3699  | 3709  | 3726  | 3739  | 3760  | 4424  | 5985  | 6720  | 6726  | 11097 | 11950 |
|                    | 12021  | 12490 | 12512 | 12525 | 13032 | 13895 | 19777 | 19780 | 19932 | 19936 | 22217 | 23163 |
|                    | 36861  | 37579 |       |       |       |       |       |       |       |       |       |       |
| EALU_K[]           | 2687 # | 4201  | 6384  | 6394  | 10167 | 10220 | 10252 | 10287 | 10583 | 11043 | 11080 | 11091 |
|                    | 14390  | 19644 | 20838 | 25024 | 34757 | 37344 |       |       |       |       |       |       |
| EALU_R[](EXP)      | 2688 # | 11907 |       |       |       |       |       |       |       |       |       |       |
| EALU_SC            | 2689 # | 5481  | 5508  | 6220  | 6273  | 6339  | 6421  | 10172 | 10183 | 10225 | 10257 | 10293 |
|                    | 10301  | 11977 | 11986 | 12100 | 12260 | 12375 | 13028 | 13314 | 13322 | 13329 | 13569 | 22481 |
|                    | 22488  | 37117 | 37692 | 40373 |       |       |       |       |       |       |       |       |
| EALU_SC+FE         | 2690 # | 22549 |       |       |       |       |       |       |       |       |       |       |
| EALU_SC+K[]        | 2691 # | 8342  | 8348  | 10351 | 10355 | 10367 | 10371 | 11551 | 22207 |       |       |       |
| EALU_SC-FE         | 2692 # | 10098 | 10795 | 19150 | 24066 | 24071 | 24087 | 24955 | 25309 | 25363 | 28251 | 38906 |
| EALU_SC-K[]        | 2693 # | 6985  | 19554 | 21567 | 21645 | 21655 | 22229 | 26345 |       |       |       |       |
| EALU_SC.ANDNOT.K[] | 2694 # | 30750 | 38955 |       |       |       |       |       |       |       |       |       |
| EALU_STATE         | 2695 # | 15636 | 23160 |       |       |       |       |       |       |       |       |       |
| END.DP1?           | 3377 # | 27016 | 27020 | 27024 | 27035 | 27048 | 27054 | 27058 | 27066 | 27089 | 27095 |       |
| EXCEPT.ACK         | 3274 # | 5016  | 27799 | 27847 | 27877 | 28303 |       |       |       |       |       |       |
| FE&SC.K[]          | 2697 # | 24330 | 26824 | 27557 |       |       |       |       |       |       |       |       |
| FE_O(A)            | 2698 # | 25031 |       |       |       |       |       |       |       |       |       |       |
| FE_D(EXP)          | 2699 # | 10091 | 10273 | 10574 | 10690 | 12359 | 12931 | 13341 | 32997 | 33005 |       |       |
| FE_EALU            | 2700 # | 12235 | 12260 | 12994 | 13214 | 13235 | 13269 | 13570 | 16567 | 25425 | 25464 | 26325 |
|                    | 28345  |       |       |       |       |       |       |       |       |       |       |       |
| FE_K[]             | 2701 # | 3675  | 3681  | 4450  | 5888  | 6648  | 7110  | 8461  | 10895 | 10928 | 11503 | 11741 |
|                    | 11769  | 11847 | 12001 | 12471 | 12722 | 12727 | 12851 | 13243 | 13482 | 13534 | 13581 | 13956 |
|                    | 14843  | 14964 | 15807 | 15846 | 15912 | 16238 | 16737 | 16740 | 16805 | 16871 | 17070 | 17251 |
|                    | 17474  | 17562 | 17776 | 17946 | 18266 | 18502 | 20233 | 20500 | 20722 | 21268 | 21977 | 22088 |

|                     |        |       |       |       |       |       |       |       |       |       |       |       |
|---------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     | 22226  | 22541 | 24250 | 24302 | 24721 | 24929 | 24966 | 24972 | 25046 | 25295 | 25478 | 25537 |
|                     | 25842  | 26253 | 27745 | 27914 | 27920 | 28221 | 28226 | 28268 | 31285 | 31317 | 31400 | 31465 |
|                     | 31486  | 33534 | 34546 | 34596 | 34970 | 35240 | 35483 | 35833 | 35840 | 35992 | 36533 | 36715 |
|                     | 37318  | 37875 | 38350 | 38401 | 38510 | 38708 | 38861 | 38899 | 39362 | 40214 | 40250 | 40276 |
|                     | 40335  | 40341 | 40346 | 40361 | 40396 | 40414 | 40420 | 40434 |       |       |       |       |
| FE_LA(EXP)          | 2702 # | 5541  | 6228  | 6281  | 7326  | 8089  | 8134  | 8620  | 8623  | 8626  | 8707  | 8717  |
|                     | 8806   | 8853  | 8856  | 10195 | 10237 | 10472 | 10470 | 10481 | 10535 | 10643 | 12502 | 23876 |
|                     | 31781  | 31800 | 31817 | 31836 | 31925 | 32071 | 32475 | 32492 | 32681 |       |       |       |
| FE_NABS(SC-FE)      | 2703 # | 34637 | 36359 | 38719 |       |       |       |       |       |       |       |       |
| FE_NABS(SC-LA(EXP)) | 2704 # | 3847  | 10953 | 10961 | 12638 |       |       |       |       |       |       |       |
| FE_Q(EXP)           | 2705 # | 9436  | 10205 | 10331 | 13757 |       |       |       |       |       |       |       |
| FE_R[] (EXP)        | 2706 # | 10376 | 10912 | 13438 |       |       |       |       |       |       |       |       |
| FE_SC               | 2707 # | 4150  | 4776  | 5172  | 5688  | 6379  | 6526  | 6866  | 6885  | 6899  | 10647 | 10693 |
|                     | 10784  | 11048 | 11056 | 11068 | 11074 | 11339 | 11343 | 11348 | 11352 | 11412 | 11450 | 11492 |
|                     | 12069  | 12268 | 13714 | 13845 | 13950 | 14394 | 14692 | 14750 | 15318 | 16427 | 16431 | 17165 |
|                     | 19032  | 19146 | 19528 | 19869 | 20334 | 21313 | 21899 | 21903 | 21981 | 22007 | 22030 | 22041 |
|                     | 22045  | 22055 | 22114 | 22149 | 22262 | 22271 | 23014 | 23018 | 23184 | 23189 | 23470 | 24938 |
|                     | 25064  | 25069 | 25106 | 25121 | 25126 | 25351 | 33077 | 36827 | 36993 | 37347 | 37354 | 37361 |
|                     | 37527  | 38357 | 38387 | 38413 | 38469 | 38476 | 38490 | 38496 | 38503 | 39147 | 39151 | 39165 |
|                     | 39178  | 39184 | 39188 | 40095 | 40112 | 40976 |       |       |       |       |       |       |
| FE_SC+1             | 2708 # | 11368 | 11982 | 13025 | 19043 | 21345 | 22245 | 23439 | 24055 | 24075 | 25341 | 28237 |
|                     | 37046  | 38448 | 39161 |       |       |       |       |       |       |       |       |       |
| FE_SC+FE            | 2709 # | 10540 | 10579 | 13447 | 14607 | 14617 | 14731 | 19006 | 28350 |       |       |       |
| FE_SC+K[]           | 2710 # | 14773 | 20528 | 22017 | 26380 | 31233 | 38458 | 39797 | 39808 | 39822 | 39840 | 39855 |
|                     | 39872  |       |       |       |       |       |       |       |       |       |       |       |
| FE_SC+LA(EXP)       | 2711 # | 10969 |       |       |       |       |       |       |       |       |       |       |
| FE_SC-FE            | 2712 # | 4346  | 6532  | 10657 | 10699 | 13917 | 17097 |       |       |       |       |       |
| FE_SC-K[]           | 2713 # | 4768  | 5435  | 8441  | 11470 | 12745 | 12753 | 12965 | 13510 | 14401 | 14408 | 14594 |
|                     | 14600  | 14738 | 18999 | 19983 | 19986 | 20017 | 20027 | 20037 | 20055 | 20058 | 20068 | 20346 |
|                     | 21991  | 22100 | 22268 | 22291 | 23001 | 23138 | 36842 | 37549 | 38216 | 39170 | 40102 | 40713 |
| FE_SC-LA(EXP)       | 2714 # | 10977 |       |       |       |       |       |       |       |       |       |       |
| FE_SC-SHF_VAL       | 2715 # | 11938 | 12009 | 37432 |       |       |       |       |       |       |       |       |
| FE_SC.ANDNOT.FE     | 2716 # | 31517 |       |       |       |       |       |       |       |       |       |       |
| FE_SC.ANDNOT.K[]    | 2717 # | 23004 | 23142 | 23718 | 25280 |       |       |       |       |       |       |       |
| FE_SC.OR.K[]        | 2718 # | 20293 | 37211 | 37291 |       |       |       |       |       |       |       |       |
| FE_SHF_VAL          | 2719 # | 23883 | 35968 | 39889 | 41018 |       |       |       |       |       |       |       |
| FE_STATE            | 2720 # | 13219 | 36667 |       |       |       |       |       |       |       |       |       |
| FLOSH_IB            | 3276 # | 3744  | 3770  | 5544  | 5548  | 6771  | 6778  | 7504  | 7509  | 7514  | 7995  | 8006  |
|                     | 8056   | 8086  | 8118  | 8131  | 8629  | 8633  | 8637  | 8704  | 8720  | 8850  | 8859  | 8921  |
|                     | 12505  | 12530 | 13318 | 14933 | 16614 | 17227 | 18371 | 18871 | 19691 | 23778 | 24152 | 26516 |
|                     | 26520  | 26524 | 26547 | 26584 | 26591 | 26630 | 26644 | 26665 | 26723 | 26747 | 26784 | 26789 |
|                     | 27187  | 27198 | 27220 | 27236 | 27304 | 27357 | 27937 | 27943 | 28380 | 30890 | 31093 | 31378 |
|                     | 41476  | 41493 | 41508 |       |       |       |       |       |       |       |       |       |
| FPD?                | 3379 # | 28064 | 29901 | 36038 |       |       |       |       |       |       |       |       |
| G.FORK              | 3278 # | 33350 | 33473 | 33478 | 33494 |       |       |       |       |       |       |       |
| IB.TEST?            | 3381 # | 5459  | 5595  | 5605  | 7275  | 7362  | 7447  | 7457  | 7471  | 7769  | 7863  | 7937  |
|                     | 7947   | 7964  | 7974  | 8066  | 8076  | 8098  | 8108  | 8598  | 8608  | 8652  | 8664  | 8733  |
|                     | 8751   | 8765  | 9091  | 9183  | 12363 | 12392 | 12595 | 12601 | 12610 | 29026 | 33221 | 33384 |
|                     | 33756  | 33780 | 33788 | 33796 | 33812 | 34222 | 37749 | 37755 | 37766 | 41324 | 41329 | 41339 |
| ID(SC)_D            | 2722 # | 5971  | 18025 | 21283 | 22126 | 22158 | 22204 | 22207 | 22242 | 22276 | 23635 | 24138 |
|                     | 25345  | 25846 | 26173 | 27820 | 28263 | 30568 | 30574 | 30582 | 30588 | 30593 | 30604 | 30609 |
|                     | 30620  | 30629 | 30661 | 38369 | 38396 | 38479 | 38862 | 39073 | 39098 | 39154 | 39182 | 39207 |
|                     | 39218  | 39223 | 39231 | 39236 | 39807 | 39823 | 39839 | 39853 | 39869 | 40089 | 40099 | 40141 |
|                     | 40146  | 40231 | 40514 |       |       |       |       |       |       |       |       |       |
| ID[]_D              | 2723 # | 3696  | 3911  | 3943  | 4130  | 4727  | 5035  | 5148  | 5480  | 5507  | 5860  | 6874  |



|                |        |       |       |       |       |       |       |       |       |       |       |       |
|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                | 6877   | 8148  | 8321  | 8363  | 8415  | 8445  | 8468  | 8480  | 9349  | 9380  | 9502  | 9782  |
|                | 9823   | 9833  | 9865  | 9879  | 9892  | 9988  | 10038 | 10322 | 10780 | 10784 | 10898 | 10916 |
|                | 10956  | 10964 | 10972 | 10980 | 11004 | 11340 | 11345 | 11356 | 11389 | 11403 | 11703 | 11710 |
|                | 11911  | 12351 | 12409 | 12557 | 12562 | 12567 | 12649 | 12654 | 12759 | 12762 | 12789 | 13000 |
|                | 13016  | 13059 | 13084 | 13088 | 13201 | 13218 | 13223 | 13229 | 13339 | 13367 | 13547 | 13705 |
|                | 13714  | 13725 | 13738 | 13843 | 13874 | 13879 | 13884 | 14070 | 14121 | 14137 | 14142 | 14155 |
|                | 14362  | 14686 | 14847 | 15089 | 15095 | 15194 | 15467 | 15667 | 15680 | 15684 | 16401 | 16438 |
|                | 16443  | 16458 | 17093 | 17096 | 17100 | 17103 | 17111 | 17142 | 17523 | 17808 | 17823 | 17876 |
|                | 18068  | 18337 | 18377 | 18738 | 18749 | 18759 | 18830 | 18864 | 18951 | 18966 | 18979 | 18986 |
|                | 19299  | 19355 | 19440 | 19516 | 19519 | 19526 | 19697 | 19752 | 19837 | 19876 | 19882 | 19885 |
|                | 20211  | 20229 | 20246 | 20479 | 20490 | 20508 | 20614 | 20623 | 20643 | 20680 | 20711 | 20904 |
|                | 21229  | 21238 | 21274 | 21310 | 21366 | 21405 | 21419 | 21422 | 21438 | 21613 | 21615 | 21619 |
|                | 21807  | 21814 | 21822 | 21851 | 21936 | 21969 | 22074 | 22466 | 22480 | 22489 | 22504 | 22523 |
|                | 23293  | 23303 | 23355 | 23357 | 23492 | 23496 | 23502 | 23509 | 23599 | 23611 | 23614 | 23701 |
|                | 23816  | 23865 | 23886 | 24147 | 24205 | 24308 | 24323 | 24499 | 24562 | 24650 | 24783 | 24788 |
|                | 24856  | 24992 | 25000 | 25004 | 25013 | 25028 | 25035 | 25039 | 25074 | 25111 | 25132 | 25168 |
|                | 25244  | 25262 | 25387 | 25504 | 25511 | 25918 | 25928 | 25935 | 25947 | 25954 | 25958 | 25975 |
|                | 25979  | 25989 | 25993 | 26000 | 26004 | 26008 | 26012 | 26016 | 26053 | 26226 | 26279 | 26284 |
|                | 26300  | 26366 | 26500 | 26566 | 27583 | 27589 | 27709 | 27894 | 27966 | 27994 | 28027 | 28103 |
|                | 28201  | 28204 | 28299 | 28333 | 28384 | 28516 | 28521 | 28604 | 28609 | 28740 | 28746 | 28865 |
|                | 28870  | 28889 | 28939 | 28944 | 29000 | 29016 | 29309 | 29593 | 29606 | 29619 | 29623 | 29682 |
|                | 29725  | 29740 | 29745 | 29911 | 30062 | 30175 | 30193 | 30341 | 30347 | 30363 | 30369 | 30374 |
|                | 30509  | 30625 | 30665 | 30669 | 30716 | 30877 | 30952 | 30958 | 31030 | 31074 | 31237 | 31290 |
|                | 31341  | 31416 | 31471 | 31496 | 32481 | 32496 | 32504 | 32687 | 32959 | 33332 | 33336 | 33433 |
|                | 33540  | 33546 | 33555 | 33603 | 33612 | 33653 | 33656 | 33783 | 33799 | 33959 | 33973 | 34313 |
|                | 34323  | 34489 | 34528 | 34535 | 34589 | 34661 | 34741 | 34746 | 34961 | 35068 | 35073 | 35079 |
|                | 35113  | 35127 | 35257 | 35490 | 35898 | 35975 | 36075 | 36098 | 36114 | 36131 | 36263 | 36270 |
|                | 36306  | 36514 | 36609 | 36665 | 36673 | 36681 | 36748 | 36756 | 36784 | 36790 | 37185 | 37191 |
|                | 37686  | 37695 | 37702 | 37737 | 37740 | 37828 | 37833 | 38031 | 38139 | 38144 | 38193 | 38201 |
|                | 38226  | 38231 | 38243 | 38279 | 38474 | 38493 | 38561 | 38583 | 38635 | 38640 | 38756 | 38791 |
|                | 38934  | 38939 | 38983 | 39013 | 39038 | 39329 | 39333 | 39365 | 39370 | 39375 | 39385 | 39405 |
|                | 39408  | 39446 | 39470 | 39483 | 39501 | 39523 | 39641 | 39663 | 39676 | 39680 | 39718 | 39828 |
|                | 39875  | 39935 | 39956 | 40047 | 40051 | 40060 | 40171 | 40176 | 40454 | 40473 | 40764 | 40768 |
|                | 40884  | 40892 | 40896 | 40941 | 40972 | 40996 | 41000 | 41031 | 41048 | 41088 | 41251 | 41254 |
|                | 41261  | 41264 | 41273 | 41280 | 41300 | 41315 | 41318 | 41438 | 41444 |       |       |       |
| ID_D&NO.SYNC   | 2724 # | 32815 | 32819 | 32822 | 32831 | 32832 | 32849 |       |       |       |       |       |
| ID_D.SYNC      | 2725 # | 5257  | 5280  | 7342  | 7610  | 7618  | 7627  | 7642  | 7667  | 7677  | 7682  | 7696  |
|                | 7707   | 7712  | 7745  | 7754  | 7829  | 7867  | 9157  | 31750 | 31756 | 31880 | 31885 | 31890 |
|                | 31895  | 31982 | 31988 | 31994 | 32023 | 32028 | 32033 | 32121 | 32136 | 32144 | 32233 | 32249 |
|                | 32256  | 32426 | 32537 | 32622 | 32641 | 32758 | 32766 | 32796 | 32800 | 32803 | 32810 | 32986 |
|                | 32995  | 33003 | 33066 | 33076 | 33085 | 33149 | 33217 |       |       |       |       |       |
| INHIBIT_IB     | 3280 # | 6996  | 23805 | 23850 | 26046 | 26274 | 26294 | 30900 | 31280 | 31328 |       |       |
| INT?           | 3382 # | 5167  | 5172  | 5233  | 5263  | 5286  | 5315  | 5337  | 16488 | 16515 | 16518 | 17160 |
|                | 17165  | 31501 |       |       |       |       |       |       |       |       |       |       |
| INTERRUPT.REQ? | 3383 # | 4655  | 9542  | 9559  | 12564 | 12926 | 13060 | 13089 | 13186 | 13350 | 13414 | 13599 |
|                | 13716  | 14013 | 14363 | 32780 | 32991 | 33072 | 33698 | 36100 | 36441 | 36577 | 36750 | 37697 |
|                | 40914  | 41093 | 41276 |       |       |       |       |       |       |       |       |       |
| INTRPT_ACK     | 3281 # | 5010  | 5021  | 27804 | 27852 | 27882 |       |       |       |       |       |       |
| INTRPT.STROBE  | 3282 # | 4132  | 4446  | 4583  | 4588  | 5124  | 5143  | 5211  | 5229  | 5258  | 5282  | 5310  |
|                | 5333   | 5371  | 6505  | 6912  | 6942  | 9241  | 9242  | 9243  | 9244  | 9250  | 9251  | 9252  |
|                | 9253   | 9262  | 9263  | 9264  | 9265  | 9272  | 9273  | 9274  | 9275  | 9310  | 9320  | 9825  |
|                | 9834   | 9880  | 9893  | 12559 | 12890 | 12901 | 13038 | 13073 | 13080 | 13309 | 13342 | 13405 |
|                | 13593  | 13708 | 14010 | 15317 | 15410 | 15418 | 15426 | 15488 | 15763 | 15770 | 15777 | 15832 |
|                | 15901  | 16223 | 16468 | 16473 | 16793 | 16824 | 16859 | 17549 | 17749 | 17755 | 17929 | 18215 |
|                | 18243  | 18292 | 18308 | 18609 | 18617 | 18671 | 18789 | 19002 | 19069 | 19323 | 19384 | 19606 |

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: P1W124.MCR 600.1204 ]  
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|                         |        |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                         | 20034  | 20070 | 20084 | 20100 | 20364 | 20780 | 21443 | 21554 | 21878 | 22532 | 24209 | 24212 |
|                         | 26470  | 26567 | 31498 | 33388 | 36077 | 36435 | 36571 | 36717 | 36731 | 36767 | 36775 | 36781 |
|                         | 37688  | 41069 | 41075 |       |       |       |       |       |       |       |       |       |
| IRO.C31?                | 3384 # | 15086 |       |       |       |       |       |       |       |       |       |       |
| IRO?                    | 3385 # | 5163  | 6745  | 8122  | 9682  | 17157 | 17216 | 20624 | 20749 | 20754 | 20804 | 20967 |
|                         | 20994  | 20999 | 21021 | 21052 | 21056 | 21082 | 23386 | 24420 | 24726 | 25041 | 25047 | 28223 |
|                         | 28228  | 31255 | 32122 | 32149 | 32235 | 32264 | 32547 | 33435 | 33896 | 36982 | 37308 | 40887 |
| IR1?                    | 3386 # | 6018  | 11272 | 11935 | 15074 | 15617 | 28218 | 34903 | 38697 |       |       |       |
| IR2-1?                  | 3387 # | 4523  | 8779  | 8798  | 8803  | 10929 | 18897 | 19872 | 19889 | 19947 | 20136 | 20729 |
|                         | 20739  | 23367 | 23390 | 23602 | 34598 | 36988 | 37049 | 39560 |       |       |       |       |
| IRD                     | 3283 # | 5541  | 6228  | 6281  | 7326  | 8089  | 8134  | 8620  | 8623  | 8626  | 8707  | 8717  |
|                         | 8806   | 8853  | 8856  | 10442 | 10470 | 10481 | 12502 | 23876 | 31781 | 31800 | 31817 | 31836 |
|                         | 31925  | 32071 | 32475 | 32492 | 32681 |       |       |       |       |       |       |       |
| IRD.11                  | 3284 # | 26479 | 27195 | 27298 |       |       |       |       |       |       |       |       |
| IRDO                    | 3285 # | 5541  | 6228  | 6281  | 7326  | 8089  | 8134  | 8620  | 8623  | 8626  | 8707  | 8717  |
|                         | 8806   | 8853  | 8856  | 10442 | 10470 | 10481 | 12502 | 23876 | 31781 | 31800 | 31817 | 31836 |
|                         | 31925  | 32071 | 32475 | 32492 | 32681 |       |       |       |       |       |       |       |
| IRD1                    | 3286 # | 5541  | 6228  | 6281  | 7326  | 8089  | 8134  | 8620  | 8623  | 8626  | 8707  | 8717  |
|                         | 8806   | 8853  | 8856  | 10442 | 10470 | 10481 | 12502 | 23876 | 31781 | 31800 | 31817 | 31836 |
|                         | 31925  | 32071 | 32475 | 32492 | 32681 |       |       |       |       |       |       |       |
| K[]                     | 2727 # | 6598  | 6807  | 6982  | 9308  | 9319  | 10405 | 10416 | 11506 | 11850 | 11967 | 12065 |
|                         | 12858  | 13011 | 13960 | 18886 | 19375 | 20136 | 21694 | 22034 | 22380 | 33557 | 33587 | 35244 |
|                         | 36000  | 36390 | 36704 | 37231 | 37269 | 37323 | 38664 | 38994 | 39248 | 39320 | 39538 | 39913 |
|                         | 39948  | 40236 | 40558 | 40630 | 40639 | 40747 | 40956 | 41098 |       |       |       |       |
| LAB_R(DST)              | 2729 # | 27130 |       |       |       |       |       |       |       |       |       |       |
| LAB_R(PRN)              | 2730 # | 6602  | 32023 | 32028 | 32033 |       |       |       |       |       |       |       |
| LAB_R(PRN+1)            | 2731 # | 32052 | 33591 | 41304 |       |       |       |       |       |       |       |       |
| LAB_R(SC)               | 2732 # | 20931 | 20937 | 20946 | 20952 | 30028 |       |       |       |       |       |       |
| LAB_R(SP1)              | 2733 # | 4155  | 4232  | 4238  | 5061  | 6348  | 6358  | 7157  | 7173  | 7331  | 7338  | 7347  |
|                         | 7371   | 7375  | 7542  | 7551  | 7789  | 8162  | 8169  | 8233  | 8242  | 8247  | 8255  | 8270  |
|                         | 8314   | 8330  | 8355  | 8408  | 8534  | 8541  | 8575  | 9112  | 9385  | 9390  | 9395  | 9590  |
|                         | 9697   | 9701  | 9707  | 9718  | 10011 | 10019 | 10023 | 10027 | 10289 | 10515 | 10526 | 10585 |
|                         | 10760  | 11236 | 11612 | 11657 | 11661 | 11947 | 11951 | 11962 | 11978 | 12005 | 12022 | 12047 |
|                         | 12050  | 12086 | 12119 | 12157 | 12194 | 14195 | 14437 | 14536 | 14572 | 14695 | 25529 | 32167 |
|                         | 32284  | 32573 | 32752 | 32752 | 33235 | 33398 | 33403 | 33829 | 33899 | 33995 | 34247 | 34856 |
|                         | 35367  | 35418 | 35423 | 36906 | 36915 | 37030 | 37071 | 37136 | 37142 | 37196 | 37285 | 37385 |
|                         | 37463  | 38124 | 38655 | 39276 | 39573 | 40262 | 40268 |       |       |       |       |       |
| LAB_R(SP1+1)            | 2734 # | 31917 |       |       |       |       |       |       |       |       |       |       |
| LAB_R1&RC[]_O           | 2735 # | 16548 |       |       |       |       |       |       |       |       |       |       |
| LAB_R1&RC[]_O+LC+1      | 2736 # | 16874 |       |       |       |       |       |       |       |       |       |       |
| LAB_R1&RC[]_O-D         | 2737 # | 16834 |       |       |       |       |       |       |       |       |       |       |
| LAB_R1&RC[]_ALU         | 2738 # | 5142  | 6725  | 13825 | 15485 | 16548 | 16606 | 17128 | 17215 | 17471 | 19776 | 19935 |
|                         | 19952  | 19956 | 20063 | 20088 | 20295 | 20344 | 20530 | 21953 | 22101 | 36241 |       |       |
| LAB_R1&RC[]_ALU.RIGHT?  | 2739 # | 19551 | 21956 |       |       |       |       |       |       |       |       |       |
| LAB_R1&RC[]_D+LC        | 2740 # | 16606 |       |       |       |       |       |       |       |       |       |       |
| LAB_R1&RC[]_D.OXT[]+K[] | 2741 # | 17215 |       |       |       |       |       |       |       |       |       |       |
| LAB_R1&RC[]_Q-K[]       | 2742 # | 5142  | 15485 | 17128 |       |       |       |       |       |       |       |       |
| LAB_RC[]                | 2743 # | 3886  | 4072  | 4327  | 4474  | 4570  | 5739  | 5768  | 5772  | 5783  | 5791  | 5892  |
|                         | 5962   | 6050  | 6590  | 6823  | 6838  | 6899  | 7031  | 7069  | 7097  | 7113  | 7489  | 8032  |
|                         | 8043   | 9432  | 9515  | 9524  | 9547  | 9564  | 9620  | 9677  | 9750  | 9795  | 10622 | 10630 |
|                         | 10750  | 11417 | 11422 | 11440 | 11446 | 11501 | 11715 | 11833 | 12879 | 12884 | 12963 | 13386 |
|                         | 13392  | 13482 | 13493 | 13528 | 13533 | 13577 | 13585 | 13725 | 13834 | 13876 | 13881 | 13886 |
|                         | 13923  | 13940 | 13980 | 13988 | 13997 | 14001 | 15078 | 15084 | 15170 | 15192 | 15199 | 15204 |
|                         | 15210  | 15215 | 15225 | 15232 | 15240 | 15441 | 15803 | 15842 | 15908 | 16211 | 16234 | 16415 |
|                         | 16443  | 16463 | 16503 | 16523 | 16584 | 16802 | 16814 | 16848 | 16853 | 16888 | 16901 | 16919 |

|                               |        |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                               | 16929  | 16933 | 17024 | 17137 | 17176 | 17206 | 17518 | 17534 | 17540 | 17572 | 17594 | 17608 |
|                               | 17631  | 17635 | 17673 | 17680 | 17692 | 17704 | 17715 | 17724 | 17728 | 17766 | 17784 | 17813 |
|                               | 17817  | 17862 | 17868 | 17903 | 17908 | 17914 | 17919 | 17961 | 18019 | 18039 | 18086 | 18125 |
|                               | 18145  | 18150 | 18159 | 18191 | 18223 | 18229 | 18238 | 18251 | 18284 | 18300 | 18334 | 18353 |
|                               | 18380  | 18405 | 18537 | 18563 | 18568 | 18575 | 18755 | 18990 | 18996 | 19012 | 19026 | 19031 |
|                               | 19075  | 19079 | 19102 | 19339 | 19864 | 19888 | 19942 | 20766 | 20787 | 20799 | 20810 | 21086 |
|                               | 21094  | 21323 | 21415 | 21420 | 21423 | 21456 | 21586 | 21589 | 21603 | 21658 | 21678 | 21693 |
|                               | 21721  | 22122 | 22154 | 22191 | 22230 | 22380 | 22542 | 23306 | 23483 | 23558 | 23682 | 23828 |
|                               | 23893  | 23923 | 23928 | 24460 | 24735 | 24740 | 25483 | 26276 | 26676 | 27030 | 27270 | 27335 |
|                               | 27506  | 27585 | 27591 | 27611 | 27614 | 27746 | 27870 | 27919 | 28355 | 30116 | 30695 | 30767 |
|                               | 31260  | 31265 | 31303 | 31323 | 31333 | 31336 | 31354 | 31364 | 31375 | 31496 | 32445 | 32553 |
|                               | 32558  | 32659 | 33895 | 34500 | 34516 | 34521 | 34660 | 34701 | 35140 | 35145 | 35164 | 35170 |
|                               | 35238  | 35263 | 35299 | 35493 | 35517 | 35782 | 35979 | 35995 | 35999 | 36110 | 36181 | 36252 |
|                               | 36264  | 36271 | 36308 | 36323 | 36347 | 36355 | 36375 | 36382 | 36417 | 36425 | 36636 | 36741 |
|                               | 37174  | 37232 | 37239 | 37314 | 37318 | 37351 | 37434 | 38172 | 38177 | 38190 | 38721 | 38851 |
|                               | 38857  | 39128 | 39132 | 39319 | 39357 | 39443 | 39467 | 39501 | 39514 | 39519 | 39653 | 40323 |
|                               | 40457  | 40463 | 40558 | 40630 | 40747 | 40851 |       |       |       |       |       |       |
| LAST.REF?                     | 3389 # | 4968  | 6890  | 28536 | 28540 | 28552 | 28629 | 28667 | 28757 | 28768 | 28778 | 28804 |
|                               | 29114  | 29146 | 29161 | 29166 | 29848 | 29929 |       |       |       |       |       |       |
| LA_R(DST)&LB_R(SRC)           | 2745 # | 26479 | 26579 | 26860 | 26865 | 27195 | 27298 |       |       |       |       |       |
| LA_R(SP2)&LB_R(SP1)           | 2746 # | 5541  | 6228  | 6281  | 7326  | 8089  | 8134  | 8620  | 8623  | 8626  | 8707  | 8717  |
|                               | 8806   | 8853  | 8856  | 10442 | 10470 | 10481 | 12502 | 23876 | 31781 | 31800 | 31817 | 31836 |
|                               | 31925  | 32071 | 32475 | 32492 | 32681 |       |       |       |       |       |       |       |
| LA_RAC]                       | 2747 # | 4650  | 5152  | 5156  | 5167  | 5415  | 6866  | 6908  | 6912  | 6938  | 6941  | 11726 |
|                               | 11739  | 11789 | 11797 | 11820 | 11827 | 15097 | 15173 | 15186 | 15186 | 15315 | 15367 | 15379 |
|                               | 15408  | 15416 | 15424 | 15460 | 15460 | 15517 | 15548 | 15654 | 16439 | 16459 | 16481 | 16491 |
|                               | 16592  | 16597 | 16614 | 16662 | 17106 | 17146 | 17150 | 17154 | 17194 | 17198 | 17227 | 18765 |
|                               | 18785  | 18811 | 18815 | 19109 | 19372 | 19410 | 19427 | 19594 | 19998 | 20007 | 20035 | 20067 |
|                               | 20359  | 20406 | 20415 | 20705 | 20717 | 20775 | 20971 | 20976 | 21009 | 21011 | 21517 | 21625 |
|                               | 21640  | 21687 | 21713 | 21880 | 22089 | 22129 | 22244 | 22276 | 22292 | 22529 | 22600 | 23486 |
|                               | 23590  | 31523 | 31540 | 35526 | 35533 | 35540 | 35547 | 35594 | 35602 | 35610 | 35618 | 35666 |
|                               | 35674  | 35682 | 35690 | 35703 | 35712 | 35720 | 35728 | 35736 | 35746 | 35754 | 35762 | 35770 |
| LC_RC(SC)                     | 2748 # | 5982  | 21546 | 22186 | 22215 | 22225 | 22236 | 38762 | 38795 | 38863 | 39093 | 39099 |
|                               | 39160  | 39204 |       |       |       |       |       |       |       |       |       |       |
| LC_RCC]                       | 2749 # | 3839  | 3844  | 3856  | 4464  | 5394  | 5412  | 5615  | 5757  | 5787  | 5993  | 6545  |
|                               | 6572   | 6697  | 6704  | 8675  | 8680  | 8771  | 9465  | 9475  | 9535  | 9552  | 9786  | 10549 |
|                               | 10588  | 10672 | 10715 | 10796 | 10894 | 10917 | 10987 | 11145 | 11215 | 11275 | 11328 | 11333 |
|                               | 12056  | 12267 | 12305 | 12629 | 12634 | 12643 | 12765 | 12773 | 12782 | 12797 | 12821 | 12890 |
|                               | 12900  | 12932 | 12978 | 13189 | 13452 | 13700 | 13731 | 13943 | 13948 | 14244 | 14275 | 14287 |
|                               | 14313  | 14321 | 14592 | 14705 | 14714 | 15065 | 15762 | 15769 | 15776 | 15831 | 15955 | 16401 |
|                               | 16579  | 16868 | 17070 | 17125 | 17250 | 17406 | 17417 | 17688 | 19015 | 19094 | 19357 | 19368 |
|                               | 19539  | 19581 | 19585 | 19616 | 19894 | 19911 | 19918 | 20028 | 20046 | 20060 | 20124 | 20259 |
|                               | 20278  | 20518 | 20656 | 20820 | 21269 | 21853 | 21982 | 22136 | 22179 | 22221 | 22973 | 23112 |
|                               | 23728  | 23858 | 24318 | 24498 | 24509 | 24609 | 24615 | 24627 | 24632 | 24794 | 24950 | 27349 |
|                               | 27525  | 27530 | 27705 | 27715 | 27735 | 28561 | 28567 | 28573 | 28579 | 28704 | 28844 | 29935 |
|                               | 29941  | 29947 | 29953 | 31254 | 31345 | 31413 | 31478 | 31934 | 32077 | 32434 | 32561 | 32587 |
|                               | 32594  | 32653 | 32884 | 32893 | 33329 | 33434 | 33550 | 33634 | 34045 | 34082 | 34094 | 34119 |
|                               | 34127  | 34560 | 34586 | 34608 | 34922 | 34971 | 34989 | 34994 | 35015 | 35243 | 35508 | 35864 |
|                               | 35877  | 35907 | 35940 | 35955 | 35959 | 36070 | 36120 | 36358 | 36510 | 36587 | 36625 | 37047 |
|                               | 37247  | 37451 | 37644 | 37794 | 37800 | 37809 | 37818 | 38136 | 38376 | 38400 | 38808 | 38812 |
|                               | 38904  | 38952 | 39009 | 39021 | 39031 | 39052 | 39056 | 39309 | 39331 | 39345 | 39433 | 39457 |
|                               | 39497  | 39621 | 39668 | 40006 | 40024 | 40173 | 40596 | 40642 | 40650 | 40734 | 40881 | 41010 |
|                               | 41175  | 41203 |       |       |       |       |       |       |       |       |       |       |
| LC_RCC]&R1_(LA+LB).LEFT       | 2750 # | 11748 | 11773 | 11803 |       |       |       |       |       |       |       |       |
| LC_RCC]&R1_(LA+LB+PSL.C).LEFT | 2751 # | 35553 | 35624 | 35638 | 35647 |       |       |       |       |       |       |       |

|                               |         |       |       |       |       |       |       |       |       |       |       |       |  |
|-------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| LC_RCC[]&R1_(LA+LB.RLOG).LEFT | 2752 #  |       |       |       |       |       |       |       |       |       |       |       |  |
| LC_RCC[]&R1_(LA-LB).LEFT      | 2753 #  | 11731 | 11756 | 11780 | 11810 |       |       |       |       |       |       |       |  |
| LC_RCC[]&R1_(LA-LB.RLOG).LEFT | 2754 #  | 35561 | 35631 | 35654 |       |       |       |       |       |       |       |       |  |
| LC_RCC[]&R1_ALU               | 2755 #  | 13369 | 13745 | 15019 | 15529 | 15611 | 16370 | 16610 | 19875 | 20309 | 20333 | 20504 |  |
|                               | 20668 # | 21277 | 22005 | 22095 | 22113 | 22536 | 23258 | 36139 | 40842 |       |       |       |  |
| LC_RCC[]&R1_D                 | 2756 #  | 16370 |       |       |       |       |       |       |       |       |       |       |  |
| LC_RCC[]&R1_LA+K[]            | 2757 #  | 15400 |       |       |       |       |       |       |       |       |       |       |  |
| LC_RCC[]&R1_LA-K[]            | 2758 #  | 16610 |       |       |       |       |       |       |       |       |       |       |  |
| LC_RCC[]&R1_LB                | 2759 #  | 15529 | 15611 |       |       |       |       |       |       |       |       |       |  |
| LC_RCC[]&R1_Q                 | 2760 #  | 15054 | 16179 | 35775 |       |       |       |       |       |       |       |       |  |
| LOAD.ACC.CC                   | 3288 #  | 31768 | 31773 | 31776 | 31906 | 31909 | 31912 | 32004 | 32009 | 32013 | 32042 | 32045 |  |
|                               | 32048 # | 32180 | 32183 | 32186 | 32770 | 32854 | 32867 | 32870 | 32874 |       |       |       |  |
| LOAD.IB                       | 3289 #  | 5855  | 7518  | 16619 | 16624 | 17230 | 23782 | 24189 | 24198 | 24202 | 30906 | 31384 |  |
| LOAD.IB.11                    | 3290 #  | 26469 | 26550 |       |       |       |       |       |       |       |       |       |  |
| LONG                          | 3291 #  | 3708  | 3738  | 3759  | 4017  | 4461  | 5373  | 5380  | 5859  | 6745  | 6921  | 8381  |  |
|                               | 8386 #  | 8391  | 8452  | 10827 | 12457 | 12489 | 12524 | 14551 | 18970 | 18996 | 19000 | 19005 |  |
|                               | 19020 # | 19026 | 19042 | 19085 | 19109 | 19339 | 19381 | 19394 | 19407 | 19412 | 19424 | 19430 |  |
|                               | 19433 # | 19435 | 19543 | 19608 | 19945 | 19987 | 20012 | 20052 | 20361 | 20629 | 20663 | 20733 |  |
|                               | 20794 # | 20813 | 20919 | 20950 | 20955 | 20994 | 20999 | 21033 | 21060 | 21064 | 21078 | 21235 |  |
|                               | 21280 # | 21282 | 21433 | 21439 | 21468 | 21476 | 21479 | 21568 | 21602 | 21612 | 21635 | 21725 |  |
|                               | 21818 # | 21829 | 21839 | 21847 | 21850 | 21948 | 22124 | 22156 | 22371 | 22603 | 22969 | 23108 |  |
|                               | 23116 # | 23119 | 23220 | 23238 | 23335 | 23342 | 23764 | 23781 | 24037 | 24129 | 24170 | 24175 |  |
|                               | 24180 # | 24185 | 24192 | 24197 | 24340 | 25253 | 25773 | 25796 | 26318 | 27455 | 27493 | 27501 |  |
|                               | 27506 # | 27570 | 27574 | 30869 | 30901 | 30921 | 30923 | 30928 | 30952 | 30958 | 30990 | 30992 |  |
|                               | 30996 # | 30999 | 31024 | 31066 | 31071 | 31080 | 31085 | 31090 | 31139 | 31142 | 31145 | 31278 |  |
|                               | 34358 # | 35929 | 35935 | 36818 | 38009 | 38060 | 39142 | 40428 | 40960 |       |       |       |  |
| MEMORY.NOP                    | 3293 #  | 6880  | 6889  |       |       |       |       |       |       |       |       |       |  |
| MODE.LSS.ASTLVL?              | 3391 #  | 24171 | 24176 | 24181 | 24186 |       |       |       |       |       |       |       |  |
| MUL.OXT                       | 3294 #  | 9245  | 9246  | 9254  | 9255  | 9268  | 9269  | 9278  | 9279  | 9283  | 9285  | 9286  |  |
|                               | 12893 # | 12894 | 12904 | 12905 |       |       |       |       |       |       |       |       |  |
| MUL.1XT                       | 3295 #  | 9247  | 9248  | 9256  | 9257  | 9266  | 9267  | 9276  | 9277  | 9284  | 12895 | 12896 |  |
|                               | 12906 # | 12907 |       |       |       |       |       |       |       |       |       |       |  |
| MUL?                          | 3392 #  | 8179  | 8237  | 9316  | 9330  | 9467  | 9477  | 9538  | 9555  | 10746 | 12880 | 12980 |  |
|                               | 13494 # | 21338 | 22315 | 22739 | 22862 | 23016 | 23725 | 23855 | 23952 | 26281 | 27527 | 27532 |  |
|                               | 27776 # | 31286 |       |       |       |       |       |       |       |       |       |       |  |
| MULM.DONE                     | 3296 #  | 9250  | 9251  | 9252  | 9253  | 9262  | 9263  | 9264  | 9265  |       |       |       |  |
| MULP.DONE                     | 3297 #  | 9241  | 9242  | 9243  | 9244  | 9272  | 9273  | 9274  | 9275  | 12890 | 12901 |       |  |
| N&Z_ALU                       | 2762 #  | 4289  | 4307  | 18877 | 23362 | 34759 | 34765 | 34778 | 34784 | 34800 | 36905 | 36911 |  |
|                               | 37384 # | 37480 | 38118 | 38130 | 38256 | 38621 | 38639 | 38927 | 40257 | 40768 | 40775 | 41365 |  |
|                               | 41388 # | 41392 |       |       |       |       |       |       |       |       |       |       |  |
| N&Z_ALU.V&C_0                 | 2763 #  | 4123  | 4126  | 4131  | 4150  | 4228  | 4700  | 5733  | 5782  | 5826  | 6017  | 6240  |  |
|                               | 6290 #  | 6344  | 6351  | 6988  | 8264  | 8354  | 8370  | 8381  | 8386  | 8391  | 8407  | 8436  |  |
|                               | 8501 #  | 8553  | 9427  | 9453  | 9460  | 9632  | 9638  | 9691  | 9695  | 9740  | 9792  | 9808  |  |
|                               | 9819 #  | 9824  | 9845  | 9875  | 9884  | 9994  | 10018 | 10022 | 10026 | 11635 | 11653 | 11694 |  |
|                               | 11699 # | 12253 | 12321 | 12723 | 12728 | 12983 | 13043 | 13202 | 16449 | 16504 | 16524 | 16962 |  |
|                               | 18950 # | 18961 | 19111 | 19124 | 19140 | 19155 | 19159 | 19171 | 19177 | 19181 | 19201 | 19207 |  |
|                               | 19293 # | 19310 | 19314 | 19348 | 19369 | 19506 | 19682 | 19686 | 19852 | 20206 | 20474 | 20619 |  |
|                               | 20728 # | 20738 | 20983 | 21130 | 21137 | 21235 | 21484 | 21516 | 21818 | 22324 | 22356 | 22463 |  |
|                               | 23382 # | 23419 | 23431 | 24470 | 24491 | 24752 | 26733 | 27307 | 27371 | 27431 | 27632 | 27986 |  |
|                               | 28000 # | 28013 | 31508 | 32452 | 32457 | 32497 | 32585 | 32592 | 32662 | 32666 | 32879 | 33041 |  |
|                               | 33094 # | 33102 | 33108 | 33115 | 33120 | 33128 | 34352 | 34364 | 34371 | 34381 | 34393 | 34397 |  |
|                               | 34417 # | 34422 | 34432 | 34437 | 34441 | 34730 | 34898 | 34929 | 34934 | 35392 | 35411 | 35460 |  |
|                               | 35465 # | 35492 | 35834 | 35841 | 36457 | 36612 | 36946 | 36952 | 36978 | 37003 | 37070 | 37091 |  |
|                               | 37119 # | 37123 | 37127 | 37216 | 37296 | 37325 | 37336 | 37499 | 37505 | 37944 | 37952 | 37957 |  |
|                               | 38684 # | 38690 | 38714 | 39287 | 39296 | 39537 | 39566 | 39597 | 39604 | 39628 | 40252 | 40278 |  |

ZZ-ESOAA-124.0 :  
: P1W124.MCR 600,1204 ]  
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MICRO2 1L(03)Cross Reference Lis14-Jan-82Fiche 6 Frame H7Sequence 1115

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|                      |        |       |       |       |       |       |       |       |       |       |       |       |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                      | 40672  | 40814 | 40940 |       |       |       |       |       |       |       |       |       |
| NEST.ERR?            | 3394 # | 30336 | 30358 | 30416 | 30426 | 30436 | 30448 |       |       |       |       |       |
| N_AMX.Z_TST          | 2764 # | 5503  | 6137  | 6148  | 6697  | 6704  | 7658  | 7848  | 8512  | 8517  | 8523  | 8529  |
|                      | 8562   | 9584  | 9589  | 9594  | 12118 | 12156 | 12193 | 12771 | 12806 | 13037 | 18772 | 18975 |
|                      | 19419  | 19863 | 19893 | 19910 | 19917 | 19993 | 19999 | 20006 | 20045 | 20135 | 20225 | 20370 |
|                      | 20484  | 20633 | 20655 | 21100 | 21104 | 21117 | 21140 | 21245 | 21255 | 21466 | 21469 | 21829 |
|                      | 21834  | 22311 | 22702 | 22992 | 22999 | 23130 | 23137 | 24419 | 24450 | 24465 | 24496 | 24502 |
|                      | 24546  | 24673 | 24747 | 24828 | 24833 | 24895 | 24899 | 27540 | 32430 | 32544 | 32628 | 32644 |
|                      | 33656  | 35874 | 35920 | 38136 | 38140 | 38144 |       |       |       |       |       |       |
| PC&VA_ALU            | 2766 # | 26590 | 26628 | 26664 | 26782 | 26787 | 27185 | 27217 | 28379 |       |       |       |
| PC&VA_D              | 2767 # | 8055  | 8085  | 23778 | 26747 | 27235 |       |       |       |       |       |       |
| PC&VA_D+K[]          | 2768 # | 28751 |       |       |       |       |       |       |       |       |       |       |
| PC&VA_D-K[]          | 2769 # | 7301  | 26459 | 26914 | 26938 |       |       |       |       |       |       |       |
| PC&VA_D-PC           | 2770 # | 26643 |       |       |       |       |       |       |       |       |       |       |
| PC&VA_D.OXT[]        | 2771 # | 26546 | 26583 | 26722 | 29452 |       |       |       |       |       |       |       |
| PC&VA_D.OXT[]+PC     | 2772 # | 13302 | 13689 | 15659 | 16665 | 23233 | 36060 | 40482 |       |       |       |       |
| PC&VA_D.SXT[]+PC     | 2773 # | 8920  |       |       |       |       |       |       |       |       |       |       |
| PC&VA_K[]            | 2774 # | 14152 |       |       |       |       |       |       |       |       |       |       |
| PC&VA_PC             | 2775 # | 14933 | 16614 | 17227 | 18370 | 18871 | 19691 |       |       |       |       |       |
| PC&VA_Q              | 2776 # | 5544  | 5548  | 8118  | 8131  | 8629  | 8633  | 8637  | 8704  | 8720  | 8850  | 8859  |
|                      | 31094  |       |       |       |       |       |       |       |       |       |       |       |
| PC&VA_Q+PC           | 2777 # | 7503  | 7508  | 7513  | 7995  | 8006  | 27304 |       |       |       |       |       |
| PC&VA_Q-D            | 2778 # | 30050 |       |       |       |       |       |       |       |       |       |       |
| PC&VA_Q-K[]          | 2779 # | 27064 | 27082 |       |       |       |       |       |       |       |       |       |
| PC&VA_Q.SXT[]+PC     | 2780 # | 26515 | 26519 | 26523 |       |       |       |       |       |       |       |       |
| PC&VA_RCC[]          | 2781 # | 3744  | 3770  | 3959  | 6768  | 6771  | 6778  | 6896  | 12505 | 12530 | 24152 | 25157 |
|                      | 25187  | 27356 | 27947 | 27951 | 28544 | 28633 | 28695 | 28763 | 28772 | 28808 | 28834 | 28971 |
|                      | 29575  | 29585 | 29919 | 30805 | 30971 | 30980 | 31378 | 41476 | 41493 | 41508 |       |       |
| PC&VA_RE].ANDNOT.K[] | 2782 # | 27936 | 27942 |       |       |       |       |       |       |       |       |       |
| PC.MODES?            | 3396 # | 26576 | 26635 | 26646 | 26676 | 26715 | 26728 | 26740 | 26804 | 26808 | 26812 | 26825 |
|                      | 27179  | 27192 | 27214 | 27289 | 27295 | 27379 | 27394 | 27405 | 27436 | 27468 | 27542 | 27640 |
|                      | 27647  | 27651 |       |       |       |       |       |       |       |       |       |       |
| PC_PC+1              | 2784 # | 3715  | 3729  | 3766  | 3777  | 3823  | 4004  | 4013  | 4021  | 4027  | 5537  | 5595  |
|                      | 5855   | 5922  | 6275  | 7437  | 7446  | 7470  | 7477  | 7482  | 7517  | 7524  | 7528  | 7532  |
|                      | 7593   | 7634  | 7660  | 7797  | 7850  | 7911  | 7923  | 7936  | 7952  | 7963  | 7999  | 8003  |
|                      | 8015   | 8065  | 8081  | 8097  | 8121  | 8125  | 8150  | 8184  | 8199  | 8205  | 8210  | 8295  |
|                      | 8597   | 8614  | 8700  | 8713  | 8750  | 8802  | 8821  | 8839  | 8846  | 8956  | 8980  | 9131  |
|                      | 9142   | 9171  | 9360  | 9640  | 9645  | 9652  | 9662  | 10105 | 10113 | 10117 | 10121 | 10125 |
|                      | 10132  | 10137 | 10142 | 10253 | 10259 | 10491 | 10503 | 10545 | 10683 | 10792 | 10808 | 10818 |
|                      | 10823  | 10831 | 10836 | 10843 | 10848 | 10851 | 10854 | 11219 | 12479 | 12496 | 12516 | 12543 |
|                      | 11594  | 12600 | 13141 | 13146 | 13159 | 13331 | 14612 | 14658 | 14681 | 14710 | 16619 | 16624 |
|                      | 17230  | 23782 | 23810 | 23858 | 23889 | 24189 | 24209 | 25326 | 25834 | 31384 | 32005 | 32014 |
|                      | 32056  | 32189 | 32218 | 32222 | 32348 | 32359 | 32366 | 32463 | 32470 | 32514 | 32526 | 32914 |
|                      | 32924  | 33580 | 33648 | 34217 | 34353 | 34365 | 34372 | 34382 | 34394 | 34398 | 34418 | 34423 |
|                      | 34433  | 34438 | 34442 | 36957 | 36964 | 37748 | 37754 | 37770 | 37879 | 37945 | 37953 | 37958 |
|                      | 41183  | 41323 | 41328 | 41343 | 41496 |       |       |       |       |       |       |       |
| PC_PC+2              | 2785 # | 6222  | 7390  | 7401  | 7414  | 7427  | 7889  | 7900  | 8651  | 8663  | 10168 | 10174 |
|                      | 10185  | 10221 | 10227 | 11149 | 12362 | 24212 | 26469 | 26501 | 26528 | 26531 | 26534 | 26567 |
|                      | 26605  | 26622 | 26640 | 26669 | 26691 | 26695 | 26703 | 26711 | 26719 | 26744 | 26757 | 26762 |
|                      | 26875  | 26882 | 26887 | 27178 | 27191 | 27205 | 27213 | 27232 | 27288 | 27294 | 27378 | 27393 |
|                      | 27404  | 27435 | 27467 | 27541 | 27639 | 27646 | 27650 | 30907 | 31769 | 31777 | 31921 | 32672 |
|                      | 32678  | 32693 | 32702 |       |       |       |       |       |       |       |       |       |
| PC_PC+4              | 2786 # | 5458  | 7274  | 7768  | 9090  | 33221 | 33755 | 33776 | 33784 | 33792 |       |       |
| PC_PC+N              | 2787 # | 4155  | 4232  | 4238  | 5061  | 6348  | 6358  | 7157  | 7173  | 7331  | 7338  | 7347  |
|                      | 7371   | 7375  | 7542  | 7551  | 7789  | 8162  | 8169  | 8233  | 8242  | 8247  | 8255  | 8270  |

|                   |        |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | 8314   | 8330  | 8355  | 8408  | 8534  | 8541  | 8575  | 9115  | 9385  | 9390  | 9395  | 9590  |
|                   | 9697   | 9701  | 9707  | 9718  | 10011 | 10019 | 10023 | 10027 | 10289 | 10515 | 10526 | 10585 |
|                   | 10760  | 11236 | 11612 | 11657 | 11661 | 11947 | 11951 | 11962 | 11978 | 12005 | 12022 | 12047 |
|                   | 12050  | 12086 | 12119 | 12157 | 12194 | 14197 | 14440 | 14536 | 14572 | 14698 | 25529 | 26859 |
|                   | 26864  | 26893 | 26920 | 26948 | 26960 | 26983 | 32169 | 32286 | 32575 | 32753 | 33235 | 33398 |
|                   | 33403  | 33830 | 33899 | 33997 | 34250 | 34856 | 35367 | 35418 | 35423 | 36906 | 36915 | 37030 |
|                   | 37071  | 37136 | 37142 | 37196 | 37285 | 37385 | 37463 | 38124 | 38655 | 39276 | 39573 | 40262 |
|                   | 40268  |       |       |       |       |       |       |       |       |       |       |       |
| PC_Q+PC           | 2788 # | 7110  | 14969 |       |       |       |       |       |       |       |       |       |
| PC_VA             | 2789 # | 6881  | 23817 | 23865 | 25073 | 25110 | 27332 | 28528 | 28617 | 28661 | 28742 | 28864 |
|                   | 29015  | 29547 | 30342 | 30348 | 30364 | 30370 | 30954 | 30957 | 31024 | 31289 | 31340 |       |
| PC_VIBA           | 2790 # | 28888 | 28938 | 29020 | 30274 |       |       |       |       |       |       |       |
| POLY.DONE         | 3299 # | 32815 | 32819 | 32822 | 32832 | 32839 | 32850 |       |       |       |       |       |
| PSL.C?            | 3397 # | 26752 | 26768 | 26779 |       |       |       |       |       |       |       |       |
| PSL.CC?           | 3398 # | 3802  | 7462  | 8114  | 8874  | 8904  | 18826 | 18830 | 18852 | 18983 | 19383 | 19520 |
|                   | 19883  | 19886 | 20244 | 20505 | 20673 | 21107 | 21110 | 21125 | 21261 | 21480 | 21840 | 22351 |
|                   | 24477  | 24760 | 27275 | 27314 | 27326 |       |       |       |       |       |       |       |
| PSL.MODE?         | 3399 # | 3916  | 3948  | 4725  | 4960  | 6882  | 7597  | 24072 | 25140 | 25176 | 25211 | 25231 |
|                   | 25337  | 25455 | 25519 | 25824 | 27748 | 27865 | 28244 | 28530 | 28619 | 28951 | 29119 | 29157 |
|                   | 30975  |       |       |       |       |       |       |       |       |       |       |       |
| PSL.N?            | 3400 # | 4127  | 4158  | 9961  | 9977  | 26686 | 32453 | 32458 | 32588 | 32595 | 32663 | 32667 |
|                   | 37096  | 41480 | 41505 |       |       |       |       |       |       |       |       |       |
| PSL.V?            | 3401 # | 4229  | 11636 | 11654 | 12459 | 12464 | 12677 | 13048 | 13219 | 31791 | 31825 | 31935 |
|                   | 32062  | 32078 | 32197 | 32326 | 32940 | 35393 | 35412 | 36668 | 37481 | 37867 | 40259 | 41079 |
| PSL.Z?            | 3402 # | 6619  | 16428 | 16432 | 16454 | 24414 | 24430 | 24435 | 40855 |       |       |       |
| PSL<C> AMXO       | 2791 # |       |       |       |       |       |       |       |       |       |       |       |
| PTE.VALID?        | 3403 # | 29586 | 29675 |       |       |       |       |       |       |       |       |       |
| Q&VA_ALU          | 2793 # | 7676  |       |       |       |       |       |       |       |       |       |       |
| Q&VA_D            | 2794 # | 5289  | 7723  |       |       |       |       |       |       |       |       |       |
| Q&VA_D+LC         | 2795 # | 7700  |       |       |       |       |       |       |       |       |       |       |
| Q&VA_LA           | 2796 # | 7666  |       |       |       |       |       |       |       |       |       |       |
| Q&VA_Q+LB.PC      | 2797 # | 7705  |       |       |       |       |       |       |       |       |       |       |
| Q31?              | 3405 # | 4091  | 9634  | 9692  | 9838  | 9868  | 12189 | 17112 | 19662 | 23702 | 24149 | 29491 |
|                   | 29501  | 29645 | 30029 | 32446 | 32554 | 32563 | 32659 | 34768 | 36370 | 36408 |       |       |
| QD_(Q+LB)D.RIGHT2 | 2799 # | 9246  | 9254  | 9267  | 9276  | 9284  | 12894 | 12904 |       |       |       |       |
| QD_(Q+LC)D.RIGHT2 | 2800 # | 9255  | 9277  | 12905 |       |       |       |       |       |       |       |       |
| QD_(Q-LB)D.RIGHT2 | 2801 # | 9248  | 9256  | 9269  | 9278  | 9286  | 12896 | 12906 |       |       |       |       |
| QD_(Q-LC)D.RIGHT2 | 2802 # | 9247  | 9268  | 9285  | 12895 |       |       |       |       |       |       |       |
| QD_QD.RIGHT2      | 2803 # | 9245  | 9257  | 9266  | 9279  | 9283  | 12893 | 12907 |       |       |       |       |
| QUAD?             | 3406 # |       |       |       |       |       |       |       |       |       |       |       |
| Q_0               | 2805 # | 4207  | 4211  | 4346  | 4575  | 4938  | 5763  | 5826  | 5963  | 6384  | 6394  | 6503  |
|                   | 6532   | 6572  | 6698  | 6705  | 8227  | 8336  | 8369  | 8416  | 8447  | 9440  | 9459  | 9511  |
|                   | 9516   | 9520  | 9525  | 9619  | 9676  | 10352 | 10359 | 10363 | 10368 | 10391 | 10401 | 10549 |
|                   | 10588  | 10738 | 10900 | 10918 | 10943 | 10948 | 11005 | 11080 | 11091 | 11103 | 11125 | 11339 |
|                   | 11348  | 11471 | 11488 | 11497 | 11564 | 11730 | 11765 | 11842 | 11912 | 11931 | 11994 | 12233 |
|                   | 12238  | 12248 | 12267 | 12271 | 12326 | 12334 | 12721 | 12726 | 12744 | 12762 | 12796 | 12822 |
|                   | 12883  | 12944 | 12954 | 12960 | 12965 | 12988 | 13000 | 13051 | 13207 | 13219 | 13293 | 13448 |
|                   | 13501  | 13618 | 13680 | 13868 | 13983 | 14063 | 14419 | 14452 | 14505 | 14512 | 14599 | 15085 |
|                   | 15680  | 15684 | 16951 | 16976 | 17065 | 17111 | 17216 | 17626 | 17829 | 17847 | 17881 | 18164 |
|                   | 18608  | 18616 | 18634 | 19001 | 19031 | 19552 | 19646 | 19912 | 19919 | 20259 | 20310 | 20329 |
|                   | 20335  | 20384 | 20387 | 21449 | 21563 | 21597 | 21669 | 21858 | 21979 | 22006 | 22018 | 22031 |
|                   | 22094  | 22111 | 22134 | 22149 | 22556 | 22587 | 22793 | 22800 | 22820 | 22823 | 22907 | 22914 |
|                   | 22933  | 22936 | 23016 | 23020 | 23027 | 23259 | 23338 | 23632 | 24164 | 24640 | 25439 | 25857 |
|                   | 25904  | 26097 | 26685 | 26727 | 26829 | 27255 | 27497 | 27507 | 27557 | 27567 | 27571 | 27575 |
|                   | 27585  | 27591 | 27611 | 27614 | 27864 | 28305 | 29424 | 29429 | 29435 | 29441 | 29551 | 29880 |

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|              |        |       |       |       |       |       |       |       |       |       |       |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30978        | 31228  | 32878 | 32904 | 33015 | 33023 | 33028 | 33042 | 33093 | 33103 | 33107 | 33133 |
| 34537        | 34570  | 34576 | 34662 | 34757 | 34768 | 34810 | 34999 | 35035 | 35050 | 35069 | 35201 |
| 35227        | 35235  | 35254 | 35315 | 35509 | 35569 | 35777 | 35831 | 35838 | 35860 | 35906 | 35942 |
| 36043        | 36295  | 36414 | 36515 | 36621 | 36666 | 36828 | 36840 | 36842 | 36866 | 36869 | 36872 |
| 37002        | 37186  | 37296 | 37405 | 37418 | 37504 | 37550 | 37560 | 37589 | 37597 | 37600 | 37613 |
| 38156        | 38243  | 38269 | 38295 | 38640 | 38715 | 38928 | 38989 | 39294 | 39595 | 39602 | 39626 |
| 39943        | 39987  | 39997 | 40003 | 40047 | 40101 | 40152 | 40311 | 40342 | 40348 | 40351 | 40416 |
| 40587        | 40769  | 41039 | 41383 |       |       |       |       |       |       |       |       |
| Q_0+LC+1     | 2806 # | 35261 |       |       |       |       |       |       |       |       |       |
| Q_0+MASK+1   | 2807 # | 4765  | 14669 | 14735 |       |       |       |       |       |       |       |
| Q_0+PC.RLOG  | 2808 # | 13612 |       |       |       |       |       |       |       |       |       |
| Q_0-D        | 2809 # | 9470  | 12300 | 14554 | 37636 |       |       |       |       |       |       |
| Q_0-K[]      | 2810 # | 10380 | 10388 | 27301 |       |       |       |       |       |       |       |
| Q_0-LC       | 2811 # | 4953  |       |       |       |       |       |       |       |       |       |
| Q_0-Q        | 2812 # | 4584  | 9319  | 11456 | 11542 | 16909 | 26602 | 35183 | 35292 |       |       |
| Q_ACCEL&SYNC | 2813 # | 31760 | 31764 | 31899 | 31903 | 31918 | 32000 | 32038 | 32052 | 32128 | 32156 |
|              | 32272  | 32444 | 32562 | 32586 | 32593 | 32659 | 32887 | 32890 | 33121 | 33127 | 32243 |
| Q_ALU        | 2814 # | 4454  | 5142  | 5497  | 9848  | 9864  | 11344 | 11394 | 11569 | 12900 | 13850 |
|              | 15460  | 16610 | 17128 | 17260 | 18400 | 19403 | 19430 | 19634 | 19637 | 19654 | 19871 |
|              | 19998  | 20056 | 20111 | 20122 | 20228 | 20489 | 20781 | 20567 | 20872 | 20920 | 20953 |
|              | 21024  | 21277 | 21381 | 21661 | 21701 | 21838 | 22054 | 22106 | 22152 | 22337 | 22760 |
|              | 22883  | 22887 | 22996 | 23053 | 23058 | 23075 | 23134 | 23178 | 23239 | 23296 | 23412 |
|              | 23445  | 23509 | 23533 | 23545 | 23555 | 23557 | 23636 | 23733 | 24512 | 24526 | 24643 |
|              | 24681  | 24803 | 24829 | 24832 | 24848 | 24896 | 24901 | 25216 | 26291 | 27370 | 27430 |
|              | 31394  | 31404 | 31513 | 33418 | 33425 | 33664 | 33670 | 33679 | 33684 | 33709 | 33715 |
|              | 33860  | 34050 | 34057 | 34735 | 35075 | 35120 | 35307 | 35785 | 36889 | 37019 | 37275 |
|              | 38107  | 38197 | 38230 | 38553 | 38566 | 38577 | 38591 | 38951 | 39014 | 39570 | 39654 |
|              | 39958  | 39962 | 40032 | 40037 |       |       |       |       |       |       |       |
| Q_ALU(FRAC)  | 2815 # | 10093 | 10781 | 33536 |       |       |       |       |       |       |       |
| Q_ALU.LEFT   | 2816 # | 5384  | 6038  | 12137 | 12170 | 12838 | 19322 | 22310 | 35966 | 37490 | 40052 |
| Q_ALU.LEFT2  | 2817 # | 19994 |       |       |       |       |       |       |       |       | 40286 |
| Q_ALU.LEFT3  | 2818 # | 35781 | 36624 | 37022 | 37048 | 37152 | 37450 |       |       |       |       |
| Q_ALU.RIGHT  | 2819 # | 4578  | 9481  | 18760 | 18800 | 19752 | 19837 | 20684 | 20691 | 20700 | 20712 |
|              | 20966  | 21020 | 21090 | 21493 | 21970 | 33596 | 33632 | 37011 | 38432 |       | 20947 |
| Q_ALU.RIGHT2 | 2820 # | 4182  | 5408  | 9245  | 9246  | 9247  | 9248  | 9254  | 9255  | 9256  | 9257  |
|              | 9267   | 9268  | 9269  | 9276  | 9277  | 9278  | 9279  | 9283  | 9284  | 9285  | 9286  |
|              | 12894  | 12895 | 12896 | 12904 | 12905 | 12906 | 12907 | 16438 | 16458 | 19565 | 19574 |
|              | 36520  | 36525 |       |       |       |       |       |       |       |       | 34558 |
| Q_D          | 2821 # | 3829  | 4085  | 4567  | 4702  | 5098  | 5256  | 5279  | 5309  | 5331  | 6380  |
|              | 6709   | 6714  | 6838  | 6857  | 6867  | 6935  | 6938  | 6945  | 7026  | 7609  | 7619  |
|              | 7643   | 7681  | 7711  | 7744  | 7800  | 7806  | 7812  | 7817  | 7821  | 7866  | 7927  |
|              | 8220   | 8326  | 8344  | 8350  | 8424  | 8429  | 8459  | 8468  | 8518  | 8524  | 8548  |
|              | 8943   | 8950  | 8964  | 8987  | 8997  | 9002  | 9026  | 9031  | 9064  | 9076  | 9186  |
|              | 9436   | 9498  | 9608  | 9612  | 9669  | 9760  | 9772  | 9781  | 9787  | 9871  | 10033 |
|              | 10206  | 10243 | 10626 | 10997 | 11069 | 11075 | 11108 | 11173 | 11181 | 11195 | 11356 |
|              | 11589  | 11622 | 11850 | 11892 | 11903 | 12025 | 12244 | 12252 | 12298 | 12306 | 12330 |
|              | 12463  | 12615 | 12759 | 12777 | 12782 | 12915 | 12985 | 13065 | 13104 | 13260 | 13336 |
|              | 13498  | 13511 | 13521 | 13844 | 13900 | 13972 | 13992 | 14214 | 14220 | 14229 | 14234 |
|              | 14252  | 14257 | 14273 | 14279 | 14307 | 14320 | 14406 | 14480 | 14782 | 14799 | 14842 |
|              | 15216  | 15255 | 15271 | 15399 | 15411 | 15419 | 15427 | 15454 | 15516 | 15664 | 15672 |
|              | 15744  | 15894 | 16203 | 16359 | 16491 | 16513 | 16518 | 16579 | 16669 | 16674 | 16744 |
|              | 16858  | 16888 | 17479 | 17519 | 18018 | 18062 | 18104 | 18330 | 18558 | 19065 | 19148 |
|              | 19921  | 19925 | 20083 | 20345 | 21234 | 21308 | 21400 | 21402 | 21406 | 21559 | 21589 |
|              | 21994  | 22042 | 22099 | 22245 | 22568 | 22756 | 22879 | 22992 | 23000 | 23130 | 23138 |
|              | 23399  | 23560 | 23601 | 23608 | 23696 | 23771 | 23919 | 23956 | 23960 | 23963 | 24013 |
|              |        |       |       |       |       |       |       |       |       |       | 24061 |

Q\_0+LC+1  
 Q\_0+MASK+1  
 Q\_0+PC.RLOG  
 Q\_0-D  
 Q\_0-K[]  
 Q\_0-LC  
 Q\_0-Q  
 Q\_ACCEL&SYNC  
 Q\_ALU  
 Q\_ALU(FRAC)  
 Q\_ALU.LEFT  
 Q\_ALU.LEFT2  
 Q\_ALU.LEFT3  
 Q\_ALU.RIGHT  
 Q\_ALU.RIGHT2  
 Q\_D

|                       |        |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       | 24265  | 24322 | 24331 | 24443 | 24461 | 24488 | 24516 | 24659 | 24736 | 24741 | 24774 | 24820 |
|                       | 24888  | 25429 | 25800 | 25861 | 25867 | 25871 | 25883 | 26024 | 26074 | 26135 | 26184 | 26341 |
|                       | 26346  | 26625 | 26706 | 26803 | 26811 | 26816 | 26823 | 26920 | 26944 | 27040 | 27052 | 27074 |
|                       | 27107  | 27111 | 27126 | 27423 | 27485 | 27502 | 27890 | 2797  | 27980 | 27989 | 28008 | 28021 |
|                       | 28024  | 28197 | 28338 | 29302 | 29579 | 29667 | 29696 | 31285 | 31497 | 31571 | 32183 | 32299 |
|                       | 32305  | 32309 | 32545 | 32652 | 32717 | 32728 | 33083 | 33146 | 33153 | 33156 | 33164 | 33168 |
|                       | 33181  | 33186 | 33204 | 33521 | 33567 | 33690 | 33721 | 33815 | 33867 | 33880 | 33887 | 33959 |
|                       | 34015  | 34021 | 34030 | 34036 | 34045 | 34060 | 34065 | 34080 | 34085 | 34113 | 34126 | 34160 |
|                       | 34163  | 34168 | 34177 | 34182 | 34206 | 34208 | 34227 | 34235 | 34489 | 34636 | 34648 | 34711 |
|                       | 34727  | 34824 | 35081 | 35342 | 35380 | 35481 | 35881 | 35889 | 35991 | 35996 | 36265 | 36272 |
|                       | 36279  | 36290 | 36320 | 36489 | 36506 | 36742 | 36780 | 36837 | 36850 | 36981 | 36987 | 37064 |
|                       | 37361  | 37371 | 37473 | 37485 | 37497 | 37522 | 37553 | 37567 | 37632 | 37646 | 37707 | 37716 |
|                       | 37734  | 37771 | 38189 | 38495 | 38505 | 38573 | 38580 | 39040 | 39636 | 39664 | 39745 | 39772 |
|                       | 39975  | 40085 | 40363 | 40398 | 40408 | 40422 | 40571 | 41085 | 41098 |       |       |       |
| Q_D(FRAC)(B)          | 2822 # | 10533 | 10641 |       |       |       |       |       |       |       |       |       |
| Q_D+K[]               | 2823 # | 13963 | 14467 | 15233 | 15359 |       |       |       |       |       |       |       |
| Q_D+K[]+1             | 2824 # | 36393 |       |       |       |       |       |       |       |       |       |       |
| Q_D+K[] LEFT          | 2825 # | 8907  |       |       |       |       |       |       |       |       |       |       |
| Q_D+LC                | 2826 # | 5398  | 12827 | 19625 | 35948 |       |       |       |       |       |       |       |
| Q_D-K[]               | 2827 # | 18132 | 21317 | 21322 |       |       |       |       |       |       |       |       |
| Q_D-LC                | 2828 # | 15468 |       |       |       |       |       |       |       |       |       |       |
| Q_D-Q                 | 2829 # | 15071 | 29496 | 29639 |       |       |       |       |       |       |       |       |
| Q_D.OXTE[]            | 2830 # | 19100 | 22806 | 22812 | 22838 | 22920 | 22927 | 22947 | 31231 |       |       |       |
| Q_D.OXTE[]+K[] LEFT   | 2831 # | 8879  |       |       |       |       |       |       |       |       |       |       |
| Q_D.OXTE[] OR.PACK.FP | 2832 # | 12261 | 36861 | 37581 | 40374 |       |       |       |       |       |       |       |
| Q_D.AND.K[]           | 2833 # | 7096  | 7106  | 14963 | 17619 | 18536 | 24092 | 25761 | 27415 | 41238 |       |       |
| Q_D.AND.K[] RIGHT     | 2834 # | 3924  | 25148 | 28961 | 29854 |       |       |       |       |       |       |       |
| Q_D.AND.K[] RIGHT2    | 2835 # | 29871 |       |       |       |       |       |       |       |       |       |       |
| Q_D.AND.RC[]          | 2836 # | 14777 |       |       |       |       |       |       |       |       |       |       |
| Q_D.ANDNOT.RC[]       | 2837 # | 14763 |       |       |       |       |       |       |       |       |       |       |
| Q_D.LEFT3             | 2838 # | 14593 |       |       |       |       |       |       |       |       |       |       |
| Q_D.OR.K[]            | 2839 # | 30689 |       |       |       |       |       |       |       |       |       |       |
| Q_D.OR.RC[]           | 2840 # |       |       |       |       |       |       |       |       |       |       |       |
| Q_D.RIGHT             | 2841 # | 9308  | 9323  | 30014 |       |       |       |       |       |       |       |       |
| Q_D.RIGHT2            | 2842 # | 14586 |       |       |       |       |       |       |       |       |       |       |
| Q_D.SXT[]             | 2843 # | 8263  | 9627  | 9635  | 23202 |       |       |       |       |       |       |       |
| Q_D.XOR.Q             | 2844 # | 12186 | 16570 | 31540 |       |       |       |       |       |       |       |       |
| Q_DEC.CON             | 2845 # | 4877  | 5979  | 5991  | 6043  | 6057  | 6058  | 19341 | 19348 | 19373 | 19392 | 20274 |
|                       | 20821  | 20837 | 20905 | 21030 | 21035 | 21569 | 21586 | 21617 | 21621 | 21632 | 21646 | 21658 |
|                       | 21666  | 21697 | 21708 | 22177 | 22213 | 22220 | 22232 | 22241 | 22637 | 22660 | 22663 | 22724 |
|                       | 22727  | 22747 | 22764 | 22772 | 22789 | 22835 | 22854 | 22870 |       |       |       |       |
| Q_IB.BDEST            | 2846 # | 5594  | 5604  | 7445  | 7456  | 7469  | 7935  | 7946  | 7962  | 7973  | 8064  | 8075  |
|                       | 8096   | 8107  | 8596  | 8607  | 8650  | 8662  | 8732  | 8749  | 8764  | 12362 | 12391 | 12594 |
|                       | 12600  | 12610 | 29025 | 37748 | 37754 | 37765 | 41323 | 41328 | 41338 |       |       |       |
| Q_IB.DATA             | 2847 # | 5456  | 7272  | 7360  | 7766  | 7862  | 9088  | 9113  | 9182  | 14194 | 14438 | 14696 |
|                       | 26479  | 26894 | 26982 | 27195 | 27298 | 32166 | 32283 | 32572 | 32752 | 33220 | 33235 | 33398 |
|                       | 33403  | 33753 | 33779 | 33787 | 33795 | 33810 | 33830 | 33994 | 34220 | 34248 |       |       |
| Q_ID(SC)              | 2848 # | 5984  | 18013 | 18756 | 22187 | 22216 | 22225 | 22236 | 22265 | 22291 | 25275 | 25288 |
|                       | 25541  | 30766 | 38036 | 38046 | 38085 | 38356 | 38386 | 38468 | 38485 | 38500 | 38761 | 38794 |
|                       | 38837  | 38844 | 39068 | 39135 | 39159 | 39204 | 40115 | 40215 |       |       |       |       |
| Q_ID[]                | 2849 # | 3711  | 3825  | 3838  | 3843  | 3855  | 3960  | 4008  | 4073  | 4235  | 4288  | 4306  |
|                       | 4385   | 4401  | 4521  | 4606  | 4774  | 4783  | 4788  | 5001  | 5026  | 5159  | 5696  | 5738  |
|                       | 5804   | 6047  | 6225  | 6231  | 6304  | 6478  | 6851  | 6911  | 6952  | 7547  | 8140  | 8383  |
|                       | 8388   | 8393  | 8498  | 8555  | 8564  | 9649  | 9658  | 9704  | 9715  | 9829  | 9868  | 9888  |
|                       | 9965   | 9982  | 10384 | 10796 | 10800 | 10907 | 11009 | 11302 | 11309 | 11314 | 11321 | 11328 |





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|                    |        |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Q_LB               | 2861 # | 4474  | 18786 | 18811 | 18815 | 19426 | 20406 | 20415 | 20787 | 20799 | 20810 | 21041 |
|                    | 21045  | 21713 |       |       |       |       |       |       |       |       |       |       |
| Q_LC               | 2862 # | 12276 | 12790 | 15090 | 15477 | 17096 | 17410 | 21611 | 36633 | 37616 | 38475 | 39174 |
|                    | 41024  |       |       |       |       |       |       |       |       |       |       |       |
| Q_NOT.Q            | 2863 # | 4589  | 14539 | 17093 | 17100 | 17103 | 17250 |       |       |       |       |       |
| Q_NOT.RC[]         | 2864 # | 15186 | 15460 |       |       |       |       |       |       |       |       |       |
| Q_PACK.FP          | 2865 # | 11986 |       |       |       |       |       |       |       |       |       |       |
| Q_PC               | 2866 # | 3980  | 7051  | 7252  | 7366  | 13306 | 13383 | 13627 | 13650 | 13693 | 13735 | 14867 |
|                    | 15624  | 16115 | 23218 | 27061 | 27079 | 27182 | 27201 | 27335 | 27869 | 28068 | 36064 | 36128 |
|                    | 36221  | 40486 | 40636 |       |       |       |       |       |       |       |       |       |
| Q_Q(FRAC)          | 2867 # | 10321 | 36502 |       |       |       |       |       |       |       |       |       |
| Q_Q(FRAC)(B)       | 2868 # | 10573 | 10688 |       |       |       |       |       |       |       |       |       |
| Q_Q+D              | 2869 # | 14399 | 25739 |       |       |       |       |       |       |       |       |       |
| Q_Q+K[]            | 2870 # | 6918  | 11854 | 11859 | 12869 | 15373 | 15875 | 15916 | 15947 | 15981 | 16022 | 16028 |
|                    | 16034  | 16040 | 16919 | 18642 | 18655 | 18659 | 23737 | 23744 |       |       |       |       |
| Q_Q+K[]+1          | 2871 # | 36011 |       |       |       |       |       |       |       |       |       |       |
| Q_Q+LC             | 2872 # | 20826 | 23740 |       |       |       |       |       |       |       |       |       |
| Q_Q+PC             | 2873 # | 5535  | 7460  | 7950  | 8113  | 8612  | 8698  | 8711  | 8819  | 8837  | 8844  |       |
| Q_Q-D              | 2874 # | 18194 | 25749 |       |       |       |       |       |       |       |       |       |
| Q_Q-D-1            | 2875 # | 29487 |       |       |       |       |       |       |       |       |       |       |
| Q_Q-K[]            | 2876 # | 4654  | 4680  | 11545 | 15226 | 15241 | 15278 | 15549 | 15756 | 15802 | 15954 | 15977 |
|                    | 15993  | 16056 | 16064 | 16072 | 16242 | 18037 | 18087 | 18280 | 18297 | 19387 | 35295 |       |
| Q_Q-K[]-1          | 2877 # | 15840 | 17781 |       |       |       |       |       |       |       |       |       |
| Q_Q-LC             | 2878 # | 16573 |       |       |       |       |       |       |       |       |       |       |
| Q_Q-LC-1           | 2879 # | 32519 | 32696 |       |       |       |       |       |       |       |       |       |
| Q_Q-MASK-1         | 2880 # | 14647 |       |       |       |       |       |       |       |       |       |       |
| Q_Q.OXT[]-K[]      | 2881 # | 27905 |       |       |       |       |       |       |       |       |       |       |
| Q_Q.OXT[]-LEFT     | 2882 # | 8873  |       |       |       |       |       |       |       |       |       |       |
| Q_Q.OXT[]-OR.D     | 2883 # | 23158 |       |       |       |       |       |       |       |       |       |       |
| Q_Q.AND.K[]        | 2884 # | 4000  | 4873  | 18206 | 18210 | 25767 | 25815 | 26598 | 30628 |       |       |       |
| Q_Q.AND.K[]-RIGHT  | 2886 # | 25806 |       |       |       |       |       |       |       |       |       |       |
| Q_Q.AND.K[]-RIGHT2 | 2885 # | 34584 |       |       |       |       |       |       |       |       |       |       |
| Q_Q.AND.RC[]       | 2888 # | 30953 | 31023 |       |       |       |       |       |       |       |       |       |
| Q_Q.AND.RE[]       | 2887 # | 6893  |       |       |       |       |       |       |       |       |       |       |
| Q_Q.ANDNOT.D       | 2889 # | 25777 | 26193 |       |       |       |       |       |       |       |       |       |
| Q_Q.ANDNOT.K[]     | 2890 # | 4077  | 6668  | 23689 | 26543 | 31374 | 36499 | 37996 | 39398 |       |       |       |
| Q_Q.ANDNOT.RC[]    | 2891 # | 4817  |       |       |       |       |       |       |       |       |       |       |
| Q_Q.LEFT           | 2892 # | 6252  | 8365  | 8900  | 9313  | 9327  | 10744 | 11738 | 11788 | 11796 | 11819 | 11826 |
|                    | 12752  | 12849 | 12863 | 13267 | 13838 | 13959 | 24140 | 25445 | 26079 | 27409 | 27477 | 31794 |
|                    | 31829  | 31939 | 32082 | 32200 | 32329 | 35524 | 35531 | 35538 | 35545 | 35593 | 35601 | 35609 |
|                    | 35617  | 35665 | 35673 | 35681 | 35689 | 35711 | 35719 | 35727 | 35735 | 35745 | 35753 | 35761 |
|                    | 35769  | 36005 | 36389 | 36811 | 37026 | 37454 | 37525 |       |       |       |       |       |
| Q_Q.LEFT2          | 2893 # | 33541 |       |       |       |       |       |       |       |       |       |       |
| Q_Q.OR.K[]         | 2894 # | 10030 | 32488 | 33550 | 33553 | 34644 | 35235 |       |       |       |       |       |
| Q_Q.ORNOT.MASK     | 2895 # | 25781 |       |       |       |       |       |       |       |       |       |       |
| Q_Q.RIGHT          | 2896 # | 12176 | 12181 | 13515 | 14300 | 18350 | 27398 | 27454 |       |       |       |       |
| Q_Q.RIGHT2         | 2897 # | 14393 | 25809 | 28044 | 31522 | 31534 |       |       |       |       |       |       |
| Q_Q.SXT[]          | 2898 # | 9348  | 9379  | 26878 | 30019 |       |       |       |       |       |       |       |
| Q_Q.XOR.K[]        | 2899 # |       |       |       |       |       |       |       |       |       |       |       |
| Q_R(PRN).ANDNOT.Q  | 2900 # | 14653 |       |       |       |       |       |       |       |       |       |       |
| Q_R(PRN+1)         | 2901 # | 11164 | 14415 | 14426 |       |       |       |       |       |       |       |       |
| Q_R(PRN+1).AND.Q   | 2902 # | 14677 |       |       |       |       |       |       |       |       |       |       |
| Q_R(SC)            | 2903 # | 33604 | 41311 | 41315 |       |       |       |       |       |       |       |       |
| Q_R(SRC!1).AND.K[] | 2904 # | 27427 | 27579 | 27607 |       |       |       |       |       |       |       |       |
| Q_RC(SC)           | 2905 # | 38051 | 38462 | 39146 | 40201 |       |       |       |       |       |       |       |



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|                      |         |       |       |       |       |       |       |       |       |       |       |       |  |
|----------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| R(PRN+1)_LC          | 2943 #  | 11218 | 12670 | 37849 |       |       |       |       |       |       |       |       |  |
| R(PRN+1)_Q           | 2944 #  | 13145 | 32056 | 41424 |       |       |       |       |       |       |       |       |  |
| R(SC)_ALU            | 2946 #  | 4480  | 16411 | 16639 | 19686 | 20794 | 20919 | 20949 | 20955 | 21113 | 21121 | 24824 |  |
|                      | 24892 # | 31942 | 31962 | 33643 | 33647 | 41194 | 41206 |       |       |       |       |       |  |
| R(SC)_D              | 2947 #  | 6244  | 10459 | 13126 | 14936 | 23966 | 23973 | 23976 | 25361 | 25367 | 31797 | 31813 |  |
| R(SC)_K[]            | 2948 #  | 6240  | 31810 | 31958 | 31972 |       |       |       |       |       |       |       |  |
| R(SC)_LA             | 2949 #  | 31949 | 31965 |       |       |       |       |       |       |       |       |       |  |
| R(SC)_LA+D           | 2950 #  | 30035 |       |       |       |       |       |       |       |       |       |       |  |
| R(SC)_LA-D           | 2951 #  | 30039 |       |       |       |       |       |       |       |       |       |       |  |
| R(SC)_LC             | 2952 #  | 16411 | 16639 | 31942 | 31962 | 41194 | 41206 |       |       |       |       |       |  |
| R(SC)_Q              | 2953 #  | 31090 | 41123 | 41198 | 41209 |       |       |       |       |       |       |       |  |
| R(SP1)_ALU           | 2955 #  | 7411  | 7424  | 7886  | 7897  |       |       |       |       |       |       |       |  |
| R(SP1)_D             | 2956 #  | 11141 | 32662 | 32666 |       |       |       |       |       |       |       |       |  |
| R(SP1)_K[]           | 2957 #  | 10166 | 10219 |       |       |       |       |       |       |       |       |       |  |
| R(SP1)_PACK.FP       | 2958 #  | 6220  | 10172 | 10183 | 10225 |       |       |       |       |       |       |       |  |
| R(SP1)_Q             | 2959 #  | 31767 | 31906 | 31912 |       |       |       |       |       |       |       |       |  |
| R(SP1+T)_LC          | 2960 #  | 11148 |       |       |       |       |       |       |       |       |       |       |  |
| R(SP1+1)_Q           | 2961 #  | 31921 |       |       |       |       |       |       |       |       |       |       |  |
| R(SRC!1)_ALU         | 2963 #  | 27466 | 27635 | 27639 |       |       |       |       |       |       |       |       |  |
| R(SRC!1)_D(B)        | 2964 #  | 27539 |       |       |       |       |       |       |       |       |       |       |  |
| R(SRC)_ALU           | 2965 #  | 26595 | 26869 | 26898 | 26907 | 26924 | 27353 |       |       |       |       |       |  |
| R(SRC)_D             | 2966 #  | 27463 | 27631 |       |       |       |       |       |       |       |       |       |  |
| R(SRC)_D(B)          | 2967 #  | 27408 |       |       |       |       |       |       |       |       |       |       |  |
| R(SRC)_D+K[].RLOG    | 2968 #  | 26869 | 26898 |       |       |       |       |       |       |       |       |       |  |
| R(SRC)_D-K[].RLOG    | 2969 #  | 26595 | 26907 | 26924 |       |       |       |       |       |       |       |       |  |
| R(SRC)_LC            | 2970 #  | 27353 |       |       |       |       |       |       |       |       |       |       |  |
| R(SRC)_Q             | 2971 #  | 27392 | 27514 | 27536 | 27545 |       |       |       |       |       |       |       |  |
| R6_D+K[].RLOG        | 2973 #  | 26972 |       |       |       |       |       |       |       |       |       |       |  |
| R6_LA+K[].RLOG       | 2974 #  | 26557 | 26575 |       |       |       |       |       |       |       |       |       |  |
| R6_LA-K[].RLOG       | 2975 #  | 26674 | 27339 | 27343 |       |       |       |       |       |       |       |       |  |
| RC(SC)_O-LC          | 2977 #  | 39074 |       |       |       |       |       |       |       |       |       |       |  |
| RC(SC)_ALU           | 2978 #  | 21343 | 22013 | 22038 | 22049 | 22052 | 38499 | 38869 | 38875 | 39074 | 39081 | 39105 |  |
|                      | 39109 # | 39168 | 39191 | 39207 | 39218 | 39223 | 39228 | 39235 | 40142 | 40147 | 40207 | 40509 |  |
| RC(SC)_ALU.RIGHT     | 2979 #  | 38431 | 38445 |       |       |       |       |       |       |       |       |       |  |
| RC(SC)_D             | 2980 #  | 38499 | 39168 | 39191 | 39235 | 40509 |       |       |       |       |       |       |  |
| RC(SC)_Q             | 2981 #  | 39207 | 39218 | 39223 | 39228 | 40142 | 40147 |       |       |       |       |       |  |
| RC[]&VA_D+Q          | 2983 #  | 29656 |       |       |       |       |       |       |       |       |       |       |  |
| RC[]_O               | 2984 #  | 5942  | 8369  | 8469  | 12000 | 12233 | 12280 | 12284 | 12321 | 12326 | 12721 | 12726 |  |
|                      | 12983 # | 13051 | 13202 | 13272 | 21914 | 22062 | 22066 | 30357 | 33041 | 33542 | 35832 | 35839 |  |
|                      | 36611 # | 36829 | 36865 | 36869 | 36872 | 37428 | 37504 | 37588 | 37600 | 37622 | 37625 | 38167 |  |
|                      | 39294 # | 39596 | 39603 | 39627 | 40352 |       |       |       |       |       |       |       |  |
| RC[]_O+K[]+1         | 2985 #  | 30415 |       |       |       |       |       |       |       |       |       |       |  |
| RC[]_O+LC+1          | 2986 #  | 22016 | 22204 |       |       |       |       |       |       |       |       |       |  |
| RC[]_O+MASK+1        | 2987 #  | 4813  | 5699  | 14606 | 14616 | 14790 | 25376 |       |       |       |       |       |  |
| RC[]_O+MASK+1.RIGHT2 | 2988 #  | 4082  |       |       |       |       |       |       |       |       |       |       |  |
| RC[]_O-D             | 2989 #  | 22091 |       |       |       |       |       |       |       |       |       |       |  |
| RC[]_ALU             | 2990 #  | 3685  | 4449  | 4522  | 4766  | 5398  | 5493  | 5498  | 5734  | 5777  | 5887  | 5920  |  |
|                      | 5972 #  | 5978  | 6693  | 6721  | 6811  | 6817  | 6827  | 6832  | 6845  | 6860  | 6927  | 6958  |  |
|                      | 8349 #  | 8431  | 9344  | 9375  | 9579  | 9598  | 9853  | 10092 | 12810 | 12815 | 13340 | 13509 |  |
|                      | 14730 # | 14736 | 15178 | 16576 | 17116 | 17121 | 18737 | 18955 | 18965 | 18982 | 19285 | 19288 |  |
|                      | 19350 # | 19505 | 19513 | 19531 | 19625 | 19846 | 19851 | 19871 | 20073 | 20099 | 20210 | 20216 |  |
|                      | 20220 # | 20229 | 20265 | 20478 | 20488 | 20512 | 20613 | 20622 | 20637 | 21233 | 21250 | 21348 |  |
|                      | 21353 # | 21356 | 21359 | 21362 | 21444 | 21553 | 21819 | 21978 | 22212 | 22325 | 22340 | 22456 |  |
|                      | 22462 # | 22467 | 22487 | 22493 | 22498 | 22556 | 22561 | 22636 | 22978 | 22982 | 23003 | 23116 |  |
|                      | 23119 # | 23139 | 23295 | 23298 | 23308 | 23363 | 23376 | 23383 | 23421 | 23498 | 23527 | 23620 |  |

|                   |        |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | 23794  | 23838 | 24442 | 24476 | 24658 | 24759 | 24803 | 24872 | 24958 | 25909 | 26263 | 27015 |
|                   | 27019  | 27023 | 27033 | 27046 | 27051 | 27065 | 27087 | 27093 | 27739 | 28129 | 31232 | 33532 |
|                   | 34624  | 34652 | 34929 | 34933 | 35478 | 35928 | 35934 | 36315 | 36708 | 36898 | 36979 | 37000 |
|                   | 37016  | 37054 | 37177 | 37215 | 37295 | 37453 | 38117 | 38198 | 38218 | 38250 | 38260 | 38294 |
|                   | 38353  | 38383 | 38548 | 38570 | 38610 | 38615 | 38627 | 38635 | 38745 | 38749 | 38757 | 38928 |
|                   | 38959  | 39024 | 39041 | 39325 | 39337 | 39632 | 39951 | 39961 | 40084 | 40529 | 40757 | 40761 |
|                   | 40764  | 40780 | 40952 | 41052 | 41384 | 41411 |       |       |       |       |       |       |
| RCC[]_ALU.LEFT    | 2991 # | 12335 | 12785 | 19620 | 31270 | 31318 | 35892 | 37526 | 39452 | 39476 | 39485 | 39505 |
|                   | 39662  | 39672 | 39693 | 39743 | 39757 | 39770 | 39784 | 39861 | 39973 |       |       |       |
| RCC[]_ALU.LEFT2   | 2992 # | 5367  | 5388  | 19599 |       |       |       |       |       |       |       |       |
| RCC[]_ALU.LEFT3   | 2993 # | 22334 | 37153 | 37498 |       |       |       |       |       |       |       |       |
| RCC[]_ALU.RIGHT   | 2994 # | 5746  | 15385 | 19751 | 19836 | 21240 | 21296 | 21824 | 23015 | 23019 | 25536 | 25841 |
|                   | 30936  | 30941 | 30946 | 31006 | 31012 | 31018 | 33525 | 39649 | 40913 |       |       |       |
| RCC[]_ALU.RIGHT2  | 2995 # | 37446 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_D           | 2996 # | 4090  | 7179  | 7341  | 7828  | 8552  | 8561  | 8744  | 9156  | 9967  | 9984  | 9989  |
|                   | 10211  | 10279 | 11004 | 11108 | 11135 | 11201 | 11230 | 11260 | 11349 | 11353 | 11360 | 11629 |
|                   | 11647  | 11687 | 11911 | 12244 | 12248 | 12252 | 12358 | 12571 | 12584 | 12593 | 12599 | 12712 |
|                   | 12716  | 12731 | 13070 | 13093 | 13239 | 13643 | 13815 | 13843 | 13899 | 13909 | 14166 | 17065 |
|                   | 17398  | 17511 | 17979 | 22069 | 22575 | 22580 | 24004 | 24013 | 24248 | 24254 | 24300 | 24307 |
|                   | 24322  | 24410 | 24707 | 24777 | 24936 | 24988 | 25219 | 25229 | 25380 | 29517 | 30104 | 31284 |
|                   | 32238  | 32267 | 33653 | 33656 | 33791 | 33952 | 33966 | 33979 | 34828 | 34849 | 34891 | 34998 |
|                   | 35003  | 35007 | 35386 | 35405 | 35453 | 35819 | 35825 | 35852 | 36231 | 36319 | 36329 | 36575 |
|                   | 36689  | 36695 | 36764 | 36797 | 36837 | 36840 | 36850 | 37191 | 37371 | 37554 | 37558 | 37566 |
|                   | 37596  | 37679 | 37747 | 37753 | 38201 | 38974 | 38989 | 39361 | 39379 | 39927 | 39942 | 40167 |
|                   | 40538  | 40718 | 41019 | 41038 | 41068 | 41097 |       |       |       |       |       |       |
| RCC[]_D(B)        | 2997 # | 12551 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_D+K[]       | 2998 # | 31221 | 32744 |       |       |       |       |       |       |       |       |       |
| RCC[]_D-K[]       | 2999 # | 32429 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_D.OXT[]     | 3000 # | 4728  | 13184 | 15136 | 16135 | 2 8   | 26207 |       |       |       |       |       |
| RCC[]_D.AND.K[]   | 3001 # | 12029 | 16722 | 17836 | 17845 | 1c +1 | 30083 | 36909 |       |       |       |       |
| RCC[]_D.AND.MASK  | 3002 # | 25444 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_D.ANDNOT.Q  | 3003 # | 4773  | 14747 | 25415 |       |       |       |       |       |       |       |       |
| RCC[]_D.CTX       | 3004 # | 7211  |       |       |       |       |       |       |       |       |       |       |
| RCC[]_D.LEFT      | 3005 # | 12948 | 27500 |       |       |       |       |       |       |       |       |       |
| RCC[]_D.LEFT3     | 3006 # | 26057 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_D.OR.K[]    | 3007 # | 30549 | 30637 | 30641 |       |       |       |       |       |       |       |       |
| RCC[]_D.OR.Q      | 3008 # | 15897 | 28965 | 29875 |       |       |       |       |       |       |       |       |
| RCC[]_D.ORNOT.K[] | 3009 # | 17000 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_D.SXT[]     | 3010 # | 12297 | 28217 | 37631 |       |       |       |       |       |       |       |       |
| RCC[]_K[]         | 3011 # | 3914  | 3946  | 5916  | 6234  | 6248  | 6294  | 6297  | 6355  | 6361  | 6385  | 6395  |
|                   | 6400   | 6406  | 6439  | 6446  | 6463  | 6470  | 6783  | 6786  | 6881  | 7027  | 7536  | 7555  |
|                   | 7558   | 7561  | 7568  | 7571  | 8227  | 10438 | 10445 | 10449 | 10942 | 11081 | 11092 | 11103 |
|                   | 11516  | 11698 | 11744 | 11921 | 12043 | 12943 | 12953 | 12959 | 13054 | 13646 | 22591 | 22646 |
|                   | 25139  | 25162 | 25175 | 26403 | 28035 | 28056 | 28063 | 28100 | 28134 | 28139 | 28144 | 28149 |
|                   | 28159  | 28170 | 28253 | 28273 | 28529 | 28618 | 28737 | 28859 | 28949 | 30091 | 30095 | 30207 |
|                   | 30233  | 30245 | 30256 | 30265 | 30333 | 30379 | 30425 | 30435 | 30447 | 30671 | 30873 | 31787 |
|                   | 31804  | 31821 | 31842 | 31931 | 31955 | 32068 | 32074 | 32097 | 32194 | 32212 | 32332 | 32349 |
|                   | 32946  | 32954 | 33370 | 33389 | 33394 | 33414 | 34579 | 34758 | 34764 | 34799 | 34810 | 34813 |
|                   | 35252  | 35464 | 37133 | 37145 | 37263 | 37272 | 37391 | 37404 | 37408 | 38631 | 38643 | 39291 |
| RCC[]_K[]+1       | 3012 # | 28154 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_K[]_LEFT2   | 3013 # | 7160  | 23693 |       |       |       |       |       |       |       |       |       |
| RCC[]_K[]_LEFT3   | 3014 # | 37242 |       |       |       |       |       |       |       |       |       |       |
| RCC[]_K[]_RIGHT2  | 3015 # | 7586  |       |       |       |       |       |       |       |       |       |       |
| RCC[]_LA          | 3016 # | 6532  | 6579  | 7641  | 8963  | 9583  | 9593  | 10159 | 10243 | 11128 | 11161 | 11180 |
|                   | 11194  | 11588 | 11621 | 13829 | 23719 | 23847 | 27144 | 31736 | 31743 | 31750 | 31756 | 31860 |

|                   |        |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | 31865  | 31870 | 31875 | 31880 | 31885 | 31890 | 31895 | 31982 | 31988 | 31994 | 32038 | 32128 |
|                   | 32156  | 32242 | 32271 | 32631 | 32648 | 33153 | 33567 | 33586 | 34821 | 35341 | 35379 | 36246 |
|                   | 38663  | 39247 | 39536 | 40460 | 40466 |       |       |       |       |       |       |       |
| RCC]_LA+LB.CTX    | 3017 # | 33697 | 34073 | 34197 |       |       |       |       |       |       |       |       |
| RCC]_LA-K[]       | 3018 # | 32627 |       |       |       |       |       |       |       |       |       |       |
| RCC]_LA.AND.K[]   | 3019 # | 16576 |       |       |       |       |       |       |       |       |       |       |
| RCC]_LA.CTX       | 3020 # | 7695  | 9016  | 14265 | 33171 |       |       |       |       |       |       |       |
| RCC]_LB           | 3021 # | 11158 | 41301 |       |       |       |       |       |       |       |       |       |
| RCC]_LB.LEFT      | 3022 # | 9437  |       |       |       |       |       |       |       |       |       |       |
| RCC]_LC           | 3023 # | 3671  | 6877  | 11271 | 12271 | 12276 | 13197 | 24612 | 24618 | 24629 | 24635 | 28522 |
|                   | 28610  | 28674 | 28683 | 28688 | 28755 | 29847 | 30382 | 33333 | 33355 | 33482 | 33486 | 34569 |
|                   | 34902  | 34960 | 36592 | 37616 | 37821 | 38140 | 39048 | 40177 | 40885 |       |       |       |
| RCC]_NOT.Q        | 3024 # | 8349  | 17116 | 24958 |       |       |       |       |       |       |       |       |
| RCC]_PACK.FP      | 3025 # | 11057 | 13895 | 37354 |       |       |       |       |       |       |       |       |
| RCC]_PC           | 3026 # | 3980  | 4723  | 4732  | 4736  | 4740  | 6474  | 6874  | 6889  | 13650 | 14350 | 23817 |
|                   | 23865  | 25073 | 25110 | 27110 | 27724 | 27859 | 28068 | 28165 | 28517 | 28533 | 28539 | 28605 |
|                   | 28623  | 28628 | 28659 | 28665 | 28742 | 28862 | 28869 | 28877 | 28886 | 28937 | 29014 | 29082 |
|                   | 29090  | 29095 | 29229 | 29235 | 29241 | 29461 | 29466 | 29471 | 29477 | 30273 | 30342 | 30364 |
|                   | 30375  | 30397 | 30925 | 30993 | 31289 | 31340 |       |       |       |       |       |       |
| RCC]_Q            | 3027 # | 4628  | 4781  | 5455  | 6526  | 7054  | 7165  | 7271  | 7617  | 7765  | 7805  | 7811  |
|                   | 8236   | 8320  | 8343  | 8423  | 8485  | 8511  | 8516  | 8522  | 8528  | 8942  | 9087  | 10540 |
|                   | 10578  | 10647 | 10693 | 10947 | 11125 | 11172 | 11374 | 11722 | 12238 | 12349 | 12675 | 13206 |
|                   | 13448  | 13715 | 15035 | 16169 | 16359 | 16717 | 17057 | 17394 | 18048 | 22640 | 24429 | 24434 |
|                   | 26188  | 26329 | 27718 | 30387 | 30402 | 30962 | 31227 | 31461 | 33133 | 33145 | 33214 | 33324 |
|                   | 33444  | 33448 | 33458 | 33558 | 33611 | 33752 | 33775 | 33866 | 33879 | 33886 | 33919 | 33948 |
|                   | 34786  | 34793 | 35502 | 36099 | 36619 | 36823 | 37184 | 37725 | 37733 | 37857 | 38283 | 38917 |
|                   | 38935  | 39342 | 39932 | 40018 | 40689 | 40940 | 40992 | 41001 | 41318 | 41416 | 41432 | 41444 |
| RCC]_Q+1          | 3028 # | 17121 |       |       |       |       |       |       |       |       |       |       |
| RCC]_Q+K[]        | 3029 # | 6870  | 23955 | 23959 | 23963 | 32762 | 32775 | 32806 | 32826 |       |       |       |
| RCC]_Q+LC         | 3030 # |       |       |       |       |       |       |       |       |       |       |       |
| RCC]_Q+PC         | 3031 # | 12395 | 12613 |       |       |       |       |       |       |       |       |       |
| RCC]_Q+PC+1       | 3032 # | 3822  | 37769 | 41342 |       |       |       |       |       |       |       |       |
| RCC]_Q-K[]        | 3033 # | 15452 | 28267 | 32543 | 32644 | 32787 |       |       |       |       |       |       |
| RCC]_Q-LC         | 3034 # |       |       |       |       |       |       |       |       |       |       |       |
| RCC]_Q-MASK-1     | 3035 # | 4786  | 14755 |       |       |       |       |       |       |       |       |       |
| RCC]_Q.OXT[]      | 3036 # | 12925 | 15012 | 15031 | 16340 | 16356 | 16673 | 17055 | 27701 | 32740 | 38127 |       |
| RCC]_Q.AND.K[]    | 3037 # | 7092  | 15719 | 16165 | 16543 | 16714 | 17390 | 18523 | 24932 |       |       |       |
| RCC]_Q.ANDNOT.K[] | 3038 # | 6671  | 24942 |       |       |       |       |       |       |       |       |       |
| RCC]_Q.LEFT       | 3039 # | 9506  | 12792 | 35901 |       |       |       |       |       |       |       |       |
| RCC]_Q.LEFT3      | 3040 # | 25458 |       |       |       |       |       |       |       |       |       |       |
| RCC]_Q.RIGHT      | 3041 # | 14687 |       |       |       |       |       |       |       |       |       |       |
| RCC]_Q.RIGHT2     | 3042 # | 34563 | 34590 | 34726 | 36524 |       |       |       |       |       |       |       |
| RCC]_Q.SXT[]      | 3043 # | 8645  | 8649  | 8661  | 12302 | 26828 | 27556 | 37640 |       |       |       |       |
| RCC]_RLOG.RIGHT   | 3044 # | 13079 | 24710 | 36774 | 41074 | 41103 |       |       |       |       |       |       |
| RETURN0           | 3301 # | 26370 | 28562 | 28568 | 28574 | 28580 | 28705 | 28845 | 29026 |       |       |       |
| RETURN1           | 3302 # | 4702  | 8738  | 9455  | 9742  | 10754 | 10944 | 10949 | 11923 | 13621 | 22724 | 22727 |
|                   | 22854  | 23561 | 23915 | 25070 | 25122 | 27921 | 27996 | 28120 | 29105 | 29137 | 29595 | 29685 |
|                   | 29954  | 30518 | 30756 | 30973 | 30983 | 34571 | 34580 | 36544 | 38002 | 38018 | 38067 | 38078 |
|                   | 38362  | 39515 | 40060 | 40221 | 40848 |       |       |       |       |       |       |       |
| RETURN10          | 3303 # | 5106  | 5943  | 6403  | 6993  | 8936  | 8944  | 9066  | 9149  | 9161  | 9196  | 10634 |
|                   | 11104  | 11110 | 11117 | 11268 | 11282 | 11287 | 11374 | 11381 | 11522 | 11700 | 11869 | 12245 |
|                   | 12249  | 12312 | 12314 | 12327 | 12723 | 12728 | 20934 | 20940 | 20957 | 21366 | 22039 | 22052 |
|                   | 22074  | 22289 | 22623 | 22626 | 22706 | 22816 | 23901 | 25592 | 25619 | 25622 | 25639 | 25643 |
|                   | 25646  | 25659 | 25662 | 25700 | 25710 | 25713 | 25716 | 25932 | 25939 | 25942 | 25951 | 25963 |
|                   | 25970  | 25983 | 25986 | 26020 | 26050 | 26063 | 26085 | 26101 | 26108 | 26146 | 26163 | 26170 |

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 : P1W124.MCR 600,1204]  
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|                    |        |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                    | 26215  | 26245 | 26314 | 33150 | 33525 | 33815 | 33891 | 33984 | 34160 | 34164 | 34194 | 34232 |
|                    | 34899  | 34930 | 34935 | 35257 | 35466 | 35835 | 35842 | 36837 | 36840 | 36869 | 36876 | 36879 |
|                    | 37507  | 37555 | 37560 | 37601 | 37605 | 37608 | 37654 | 37657 | 38623 | 38640 | 39191 | 39224 |
|                    | 39236  | 40148 | 40178 | 40338 | 40342 |       |       |       |       |       |       |       |
| RETURN100          | 3304 # | 10328 | 10420 | 12417 | 12422 | 12428 | 14969 |       |       |       |       |       |
| RETURN10C          | 3305 # | 10431 |       |       |       |       |       |       |       |       |       |       |
| RETURN10E          | 3306 # | 10318 |       |       |       |       |       |       |       |       |       |       |
| RETURN12           | 3307 # | 8951  | 8969  | 11525 | 12854 | 33570 | 35996 | 39963 |       |       |       |       |
| RETURN18           | 3308 # | 6999  | 7002  | 7005  | 7008  | 25542 | 25546 | 25550 | 25554 | 25567 | 25571 | 25577 |
|                    | 25581  | 25596 | 25607 | 25611 | 25628 | 25632 | 25636 | 25652 | 25656 | 25666 | 25670 | 25677 |
|                    | 25681  | 25685 | 25689 | 25693 | 25697 | 25720 | 25728 | 25740 | 25750 | 25762 | 25768 | 25782 |
|                    | 25785  | 25801 | 25810 | 25816 | 25847 | 25851 | 25919 | 25929 | 25936 | 25948 | 25955 | 25959 |
|                    | 25976  | 25980 | 25990 | 25994 | 26001 | 26005 | 26009 | 26013 | 26017 | 26054 | 26174 | 26227 |
|                    | 26287  | 26300 | 26318 |       |       |       |       |       |       |       |       |       |
| RETURN1F           | 3309 # | 16022 | 16028 | 16034 | 16040 |       |       |       |       |       |       |       |
| RETURN2            | 3310 # | 9241  | 9242  | 9243  | 9244  | 9250  | 9251  | 9252  | 9253  | 9262  | 9263  | 9264  |
|                    | 9265   | 9272  | 9273  | 9274  | 9275  | 9461  | 9483  | 10988 | 11918 | 12890 | 12901 | 15122 |
|                    | 23276  | 26396 | 28978 | 29507 | 29576 | 29628 | 29651 | 29702 | 29722 | 29751 | 29758 | 29763 |
|                    | 29936  | 29942 | 29948 | 30051 | 30053 | 30771 | 34609 | 36535 | 38041 | 38392 | 38517 | 39987 |
|                    | 40003  |       |       |       |       |       |       |       |       |       |       |       |
| RETURN20           | 3311 # | 3961  | 22979 | 22984 | 23117 | 23121 | 23172 | 23240 | 25159 | 25189 | 26406 |       |
| RETURN24           | 3312 # | 26388 |       |       |       |       |       |       |       |       |       |       |
| RETURN3            | 3313 # | 11011 | 21314 | 21940 | 22748 | 22764 | 22772 | 22789 | 22835 | 22871 | 24572 | 28206 |
|                    | 29224  | 29251 | 29310 | 34668 | 38013 | 38025 | 38070 | 38081 | 38402 | 40242 |       |       |
| RETURN4            | 3314 # | 38521 | 40121 | 40125 | 40516 |       |       |       |       |       |       |       |
| RETURN40           | 3315 # | 14849 | 23203 |       |       |       |       |       |       |       |       |       |
| RETURN60           | 3316 # | 14245 | 14270 | 14276 | 14288 | 14314 | 14323 | 23053 | 23058 | 23075 | 34046 | 34077 |
|                    | 34082  | 34094 | 34120 | 34129 |       |       |       |       |       |       |       |       |
| RETURN61           | 3317 # | 14217 | 14223 | 14231 | 14236 | 34018 | 34024 | 34033 | 34039 |       |       |       |
| RETURN8            | 3318 # | 9310  | 9320  | 9428  | 10039 | 18838 |       |       |       |       |       |       |
| RETURN9            | 3319 # | 22167 | 32962 |       |       |       |       |       |       |       |       |       |
| RETURNF            | 3320 # | 16043 | 28028 |       |       |       |       |       |       |       |       |       |
| RETURNL            | 3321 # | 6106  | 6255  | 6310  | 11557 | 11561 | 11574 | 11578 | 15146 | 23197 | 23224 | 23309 |
|                    | 23935  | 23973 | 33507 | 33558 | 33616 | 33801 | 33976 | 34790 | 34793 | 34810 | 35311 | 35323 |
|                    | 35326  | 35668 | 35676 | 35684 | 35692 | 35748 | 35756 | 35764 | 35772 | 38440 | 38512 | 38889 |
|                    | 39106  | 39110 | 40312 | 40352 | 40521 | 41167 | 41211 |       |       |       |       |       |
| RLOG_EMPTY?        | 3408 # | 6475  | 14351 | 25001 | 25005 | 27725 | 28166 | 29915 | 30036 | 30040 |       |       |
| ROR?               | 3409 # | 5964  | 5975  | 6051  | 6722  | 19782 | 19933 | 20827 | 20921 | 21047 | 21694 | 22191 |
|                    | 22205  | 22612 | 22617 | 22742 | 22781 | 22784 | 22824 | 22865 | 22897 | 22900 | 22937 | 23025 |
|                    | 23046  | 23048 | 23050 |       |       |       |       |       |       |       |       |       |
| R[]&VA_LA+K[]      | 3046 # | 5123  | 13395 | 13475 | 13522 | 13769 | 36166 |       |       |       |       |       |
| R[]&VA_LA-K[]      | 3047 # | 4985  | 13663 | 15498 | 15504 | 15510 | 15523 | 27779 | 27783 | 27901 | 28043 | 28181 |
|                    | 28363  | 30112 | 30122 | 30775 | 31357 | 31394 |       |       |       |       |       |       |
| R[]&VA_LA-K[]_RLOG | 3048 # | 7493  | 8035  | 8046  | 23934 | 25497 | 33902 |       |       |       |       |       |
| R[]&VA_Q-K[]       | 3049 # | 5006  | 5011  | 27848 | 27853 | 27878 | 27883 | 28348 | 31403 |       |       |       |
| R[]_O              | 3050 # | 6842  | 6955  | 7123  | 13433 | 13581 | 13791 | 13794 | 13797 | 13868 | 13983 | 15836 |
|                    | 16215  | 16351 | 16623 | 16962 | 16966 | 17243 | 17801 | 18432 | 18435 | 19435 | 21395 | 36199 |
|                    | 36203  | 36206 | 36446 | 36449 | 36452 | 36736 | 40858 | 40861 | 40864 | 40867 | 40870 |       |
| R[]_O+LB+1         | 3051 # | 31526 |       |       |       |       |       |       |       |       |       |       |
| R[]_O-1            | 3052 # | 17956 |       |       |       |       |       |       |       |       |       |       |
| R[]_O-D            | 3053 # | 27574 | 32538 | 32604 | 32622 | 32641 |       |       |       |       |       |       |
| R[]_O-K[]          | 3054 # | 27027 |       |       |       |       |       |       |       |       |       |       |
| R[]_O-LB           | 3055 # | 9754  | 32425 | 34977 |       |       |       |       |       |       |       |       |
| R[]_O-Q            | 3056 # | 9800  | 15576 | 32613 |       |       |       |       |       |       |       |       |
| R[]_ALU            | 3057 # | 3797  | 3801  | 5373  | 5380  | 5437  | 5751  | 5761  | 5800  | 5803  | 6136  | 6147  |

|                  |        |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  | 6649   | 15022 | 15056 | 15585 | 16487 | 16602 | 17211 | 17219 | 17260 | 18742 | 18748 | 18773 |
|                  | 18825  | 18829 | 18865 | 18868 | 18970 | 18979 | 19000 | 19005 | 19020 | 19042 | 19068 | 19085 |
|                  | 19121  | 19131 | 19178 | 19182 | 19198 | 19210 | 19293 | 19309 | 19347 | 19402 | 19418 | 19433 |
|                  | 19527  | 19543 | 19555 | 19608 | 19661 | 19666 | 19670 | 19673 | 19676 | 19756 | 19842 | 19882 |
|                  | 19885  | 19945 | 19972 | 19987 | 20013 | 20019 | 20052 | 20096 | 20105 | 20135 | 20234 | 20242 |
|                  | 20248  | 20369 | 20496 | 20507 | 20629 | 20641 | 20647 | 20650 | 20663 | 20679 | 20687 | 21051 |
|                  | 21054  | 21060 | 21064 | 21070 | 21073 | 21078 | 21273 | 21280 | 21282 | 21378 | 21405 | 21433 |
|                  | 21441  | 21458 | 21468 | 21487 | 21501 | 21504 | 21568 | 21595 | 21612 | 21616 | 21620 | 21635 |
|                  | 21649  | 21669 | 21725 | 21833 | 21839 | 21847 | 21850 | 21939 | 21948 | 22133 | 22162 | 22166 |
|                  | 22259  | 22264 | 22268 | 22330 | 22371 | 22374 | 22386 | 22388 | 22503 | 22511 | 22515 | 22522 |
|                  | 22701  | 23196 | 23238 | 23261 | 23302 | 23404 | 23441 | 23549 | 23560 | 23617 | 23628 | 23662 |
|                  | 23733  | 23740 | 31508 | 34614 | 34619 | 34629 | 35247 | 35793 | 35797 | 36531 | 36543 | 36629 |
|                  | 36813  | 37236 | 37328 | 37423 | 37987 | 38161 | 38181 | 38184 | 38705 | 38737 | 39141 | 39334 |
|                  | 39637  | 39677 | 39995 | 40239 | 40602 | 40632 | 40645 | 40654 | 40750 | 40799 | 40854 | 40961 |
| R[]_ALU.LEFT     | 3058 # | 21856 | 35497 |       |       |       |       |       |       |       |       |       |
| R[]_ALU.LEFT3    | 3059 # | 34713 |       |       |       |       |       |       |       |       |       |       |
| R[]_ALU.RIGHT    | 3060 # | 13356 | 19304 |       |       |       |       |       |       |       |       |       |
| R[]_ALU.RIGHT2   | 3061 # | 34495 | 34510 |       |       |       |       |       |       |       |       |       |
| R[]_D            | 3062 # | 7035  | 9497  | 9616  | 9673  | 10097 | 11299 | 11306 | 11487 | 11498 | 12343 | 12743 |
|                  | 12749  | 12858 | 12937 | 13470 | 13516 | 13720 | 13761 | 13864 | 15016 | 15047 | 15629 | 15726 |
|                  | 16345  | 16377 | 16629 | 16725 | 16728 | 16753 | 17240 | 17424 | 18364 | 18414 | 18651 | 19519 |
|                  | 23220  | 23223 | 23335 | 23342 | 23764 | 25850 | 27493 | 27570 | 27775 | 27815 | 31475 | 32907 |
|                  | 34375  | 35035 | 35050 | 35226 | 35234 | 35859 | 36105 | 36157 | 36289 | 36364 | 36402 | 36421 |
|                  | 38842  | 40838 |       |       |       |       |       |       |       |       |       |       |
| R[]_D+K[]        | 3063 # | 18111 |       |       |       |       |       |       |       |       |       |       |
| R[]_D+Q          | 3064 # | 11313 | 23761 | 35097 |       |       |       |       |       |       |       |       |
| R[]_D+Q+1        | 3065 # | 21313 |       |       |       |       |       |       |       |       |       |       |
| R[]_D-K[]        | 3066 # | 3893  | 17028 | 17403 | 17437 | 18629 | 18638 |       |       |       |       |       |
| R[]_D-LC-1       | 3067 # | 15056 |       |       |       |       |       |       |       |       |       |       |
| R[]_D-Q          | 3068 # | 11320 | 16389 | 16453 | 19381 | 19394 | 35103 |       |       |       |       |       |
| R[]_D.AND.K[]    | 3069 # | 7126  | 16187 |       |       |       |       |       |       |       |       |       |
| R[]_D.OR.LC      | 3070 # | 13373 |       |       |       |       |       |       |       |       |       |       |
| R[]_D.OR.PACK.FP | 3071 # | 15637 |       |       |       |       |       |       |       |       |       |       |
| R[]_D.OR.Q       | 3072 # | 7066  | 13750 | 14884 | 16983 | 23172 | 36144 |       |       |       |       |       |
| R[]_K[]          | 3073 # | 10626 | 10737 | 13418 | 13425 | 13430 | 13479 | 13603 | 13607 | 13801 | 13916 | 14016 |
|                  | 14020  | 14023 | 14912 | 14916 | 14920 | 14924 | 14927 | 15589 | 15752 | 31550 | 32910 | 32913 |
|                  | 32917  | 32920 | 36210 | 36298 | 36991 | 37260 |       |       |       |       |       |       |
| R[]_LA           | 3074 # | 5179  | 5188  | 13742 | 15606 | 15942 | 16653 | 17172 | 17187 | 17230 | 17761 | 17939 |
|                  | 18091  | 18257 | 36135 |       |       |       |       |       |       |       |       |       |
| R[]_LA+D         | 3075 # | 13422 | 13782 | 18312 | 36189 |       |       |       |       |       |       |       |
| R[]_LA+D-1       | 3076 # | 18322 |       |       |       |       |       |       |       |       |       |       |
| R[]_LA+K[]       | 3077 # | 6922  | 7075  | 13860 | 13906 | 15256 | 15262 | 15267 | 15325 | 15346 | 15353 | 15434 |
|                  | 15811  | 15823 | 15849 | 15861 | 15921 | 15986 | 16081 | 16253 | 16257 | 16427 | 16431 | 16509 |
|                  | 16514  | 16810 | 16823 | 16843 | 16857 | 16936 | 16947 | 17548 | 17624 | 17743 | 17793 | 17796 |
|                  | 17828  | 17880 | 17928 | 17968 | 17973 | 18027 | 18080 | 18107 | 18121 | 18138 | 18181 | 18245 |
|                  | 18291  | 18361 | 18383 | 18421 | 22382 | 22548 | 34705 | 36303 | 36352 | 36386 | 37108 | 37335 |
|                  | 37358  |       |       |       |       |       |       |       |       |       |       |       |
| R[]_LA+K[]+1     | 3078 # | 16602 | 35247 |       |       |       |       |       |       |       |       |       |
| R[]_LA+K[]_RLOG  | 3079 # | 7579  | 24009 | 25215 |       |       |       |       |       |       |       |       |
| R[]_LA+LC        | 3080 # | 5148  | 5167  | 5175  | 17142 | 17160 | 17168 |       |       |       |       |       |
| R[]_LA+MASK+1    | 3081 # | 16487 |       |       |       |       |       |       |       |       |       |       |
| R[]_LA+Q         | 3082 # | 13389 | 15108 | 16924 |       |       |       |       |       |       |       |       |
| R[]_LA-D         | 3083 # | 16891 | 16905 | 35983 |       |       |       |       |       |       |       |       |
| R[]_LA-K[]       | 3084 # | 5637  | 5967  | 6502  | 7116  | 13589 | 13635 | 13639 | 14006 | 16472 | 16619 | 16632 |
|                  | 17544  | 18042 | 18260 | 18615 | 18777 | 18793 | 19046 | 19424 | 20376 | 20802 | 20813 | 21341 |





|                    |        |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                    | 15339  | 15524 | 16352 | 16548 | 16623 | 17124 | 17164 | 18953 | 18965 | 18981 | 19065 | 19148 |
|                    | 19413  | 19512 | 19645 | 19856 | 19871 | 19922 | 20210 | 20362 | 20478 | 21259 | 21301 | 21305 |
|                    | 21414  | 21419 | 21422 | 21540 | 21626 | 21641 | 21900 | 21904 | 22041 | 22106 | 22152 | 22468 |
|                    | 22542  | 22602 | 22970 | 22986 | 22988 | 23109 | 23123 | 23125 | 23417 | 23473 | 24932 | 24949 |
|                    | 24965  | 24971 | 31316 | 33477 | 34615 | 34620 | 34625 | 34630 | 34635 | 34667 | 35833 | 35840 |
|                    | 36532  | 36628 | 36814 | 36819 | 37192 | 37329 | 37335 | 37435 | 38707 | 38720 | 40240 | 40961 |
|                    | 40973  |       |       |       |       |       |       |       |       |       |       |       |
| SC_ALU(EXP)        | 3121 # | 3674  | 5541  | 6228  | 6281  | 7326  | 8089  | 8134  | 8223  | 8620  | 8623  | 8626  |
|                    | 8707   | 8717  | 8806  | 8853  | 8856  | 10091 | 10442 | 10470 | 10481 | 10781 | 10786 | 12502 |
|                    | 23876  | 24782 | 24787 | 24883 | 31232 | 31398 | 31781 | 31800 | 31817 | 31836 | 31925 | 32071 |
|                    | 32475  | 32492 | 32681 | 33533 |       |       |       |       |       |       |       |       |
| SC_D               | 3122 # | 7113  | 7978  | 14585 | 18501 | 25914 | 30023 |       |       |       |       |       |
| SC_D(EXP)          | 3123 # | 8214  | 12038 | 12113 | 12132 | 12344 | 13471 | 13517 | 36976 |       |       |       |
| SC_D(EXP)(A)       | 3124 # | 4099  | 4104  | 6255  | 10456 | 11364 | 23710 | 23715 | 31790 | 31934 | 41299 |       |
| SC_D(EXP)(B)       | 3125 # | 10194 | 10204 | 10237 | 10534 | 10641 |       |       |       |       |       |       |
| SC_D-K[]           | 3126 # | 25535 | 25840 |       |       |       |       |       |       |       |       |       |
| SC_D.OXT[]-K[]     | 3127 # | 14395 | 14693 |       |       |       |       |       |       |       |       |       |
| SC_D.OXT[]_XOR.K[] | 3128 # | 5171  | 17164 |       |       |       |       |       |       |       |       |       |
| SC_D.AND.K[]       | 3129 # | 4543  | 24050 | 24059 | 24076 | 27366 | 27752 | 27767 | 27771 | 27960 | 28242 |       |
| SC_D.OR.K[]        | 3130 # | 24044 |       |       |       |       |       |       |       |       |       |       |
| SC_D.SXT[]         | 3131 # | 23182 | 23185 |       |       |       |       |       |       |       |       |       |
| SC_EALU            | 3132 # | 9447  |       |       |       |       |       |       |       |       |       |       |
| SC_FE              | 3133 # | 4767  | 4775  | 4782  | 4787  | 4814  | 5012  | 5016  | 5175  | 5435  | 5637  | 5688  |
|                    | 5700   | 6526  | 6594  | 6931  | 7093  | 7120  | 7129  | 8481  | 10317 | 5435  | 5637  | 5688  |
|                    | 10397  | 10401 | 10405 | 10626 | 10647 | 10693 | 10908 | 10954 | 10962 | 10970 | 10978 | 11042 |
|                    | 11048  | 11056 | 11113 | 11301 | 11308 | 11327 | 11332 | 11339 | 11343 | 11348 | 11352 | 11385 |
|                    | 11399  | 11492 | 11552 | 11705 | 11744 | 12010 | 12245 | 12249 | 12306 | 12733 | 12841 | 12988 |
|                    | 13032  | 13501 | 13543 | 13749 | 13955 | 14024 | 14402 | 14409 | 14420 | 14453 | 14506 | 14511 |
|                    | 14595  | 14601 | 14633 | 14643 | 14737 | 14749 | 14756 | 14774 | 14791 | 14880 | 15073 | 15348 |
|                    | 16465  | 17168 | 17478 | 18516 | 18524 | 18999 | 19025 | 19032 | 19043 | 19046 | 19536 | 19984 |
|                    | 19988  | 20017 | 20027 | 20038 | 20055 | 20058 | 20069 | 20274 | 20334 | 20347 | 20514 | 20822 |
|                    | 20906  | 21279 | 21316 | 21340 | 21921 | 21994 | 22007 | 22014 | 22030 | 22045 | 22055 | 22100 |
|                    | 22114  | 22134 | 22149 | 22158 | 22245 | 22262 | 22268 | 22271 | 22294 | 22723 | 22726 | 22746 |
|                    | 22763  | 22772 | 22788 | 22833 | 22853 | 22869 | 23005 | 23014 | 23018 | 23142 | 23189 | 23505 |
|                    | 24938  | 25064 | 25069 | 25106 | 25121 | 25126 | 25294 | 25347 | 26273 | 26392 | 27595 | 27602 |
|                    | 27617  | 27624 | 27878 | 27883 | 27930 | 28262 | 28330 | 31243 | 31303 | 34964 | 34975 | 35014 |
|                    | 35086  | 35854 | 36703 | 37343 | 37347 | 37354 | 37444 | 38236 | 38357 | 38388 | 38414 | 38447 |
|                    | 38457  | 38470 | 38476 | 38490 | 38496 | 38503 | 38509 | 39147 | 39151 | 39161 | 39165 | 39171 |
|                    | 39178  | 39184 | 39188 | 39373 | 39952 | 40095 | 40102 | 40112 | 40210 | 40976 | 40986 | 41042 |
|                    | 41235  |       |       |       |       |       |       |       |       |       |       |       |
| SC_K[]             | 3134 # | 3690  | 3830  | 3834  | 4074  | 4086  | 4474  | 4567  | 4582  | 4587  | 4810  | 5735  |
|                    | 6427   | 6431  | 6436  | 6546  | 6573  | 6586  | 6688  | 6893  | 7041  | 7060  | 7100  | 8175  |
|                    | 9241   | 9242  | 9243  | 9244  | 9250  | 9251  | 9252  | 9253  | 9262  | 9263  | 9264  | 9265  |
|                    | 9272   | 9273  | 9274  | 9275  | 9345  | 9376  | 9516  | 9525  | 9995  | 10327 | 10419 | 10550 |
|                    | 10589  | 10618 | 10673 | 10716 | 10993 | 10998 | 11137 | 11203 | 11232 | 11262 | 11515 | 11631 |
|                    | 11649  | 11689 | 11763 | 11842 | 11892 | 11896 | 11903 | 11922 | 11934 | 11997 | 12326 | 12367 |
|                    | 12433  | 12438 | 12443 | 12616 | 12624 | 12713 | 12717 | 12766 | 12777 | 12796 | 12823 | 12880 |
|                    | 12942  | 12952 | 12958 | 12979 | 12984 | 13007 | 13040 | 13279 | 13293 | 13453 | 13457 | 13488 |
|                    | 13497  | 13618 | 13680 | 13828 | 14058 | 14064 | 14084 | 14563 | 14875 | 15038 | 15310 | 15386 |
|                    | 15392  | 15412 | 15420 | 15428 | 15499 | 15505 | 15511 | 15576 | 15624 | 15871 | 15907 | 16025 |
|                    | 16031  | 16037 | 16057 | 16061 | 16064 | 16068 | 16119 | 16131 | 16278 | 16360 | 16381 | 16384 |
|                    | 16454  | 16503 | 16523 | 16629 | 16635 | 16674 | 16677 | 16975 | 17065 | 17595 | 17613 | 17636 |
|                    | 17641  | 17646 | 17650 | 17654 | 17674 | 17693 | 17729 | 17764 | 17904 | 18196 | 18261 | 18476 |
|                    | 18494  | 18646 | 18741 | 19302 | 19633 | 19898 | 20087 | 20093 | 20254 | 20329 | 20406 | 20415 |
|                    | 20692  | 20701 | 20787 | 21091 | 21459 | 21977 | 22088 | 22164 | 22775 | 22794 | 22801 | 22806 |

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 : P1W124.MCR 600,1204 ]  
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|                  |        |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  | 22814  | 22821 | 22824 | 22829 | 22892 | 22908 | 22915 | 22920 | 22929 | 22934 | 22937 | 22942 |
|                  | 22993  | 23060 | 23066 | 23069 | 23077 | 23080 | 23083 | 23089 | 23095 | 23131 | 23179 | 23214 |
|                  | 23230  | 23259 | 23374 | 23478 | 23542 | 23558 | 23631 | 23697 | 23724 | 23798 | 23854 | 23929 |
|                  | 23973  | 24005 | 24112 | 24257 | 24312 | 24409 | 24458 | 24469 | 24481 | 24484 | 24751 | 24765 |
|                  | 24769  | 24960 | 25224 | 25258 | 25271 | 25336 | 25369 | 25391 | 25411 | 25425 | 25440 | 25454 |
|                  | 25584  | 25776 | 25903 | 26025 | 26194 | 26241 | 26261 | 26267 | 26479 | 26727 | 26750 | 26766 |
|                  | 26771  | 26774 | 26815 | 27195 | 27298 | 27314 | 27326 | 27450 | 27472 | 27486 | 27734 | 27871 |
|                  | 28221  | 28226 | 28296 | 29256 | 29423 | 29430 | 29436 | 29442 | 29552 | 29599 | 29695 | 29708 |
|                  | 29879  | 30003 | 30020 | 30056 | 30068 | 30484 | 30491 | 30559 | 30648 | 30656 | 30675 | 30696 |
|                  | 30713  | 30929 | 30977 | 31000 | 31228 | 31274 | 31336 | 31365 | 31502 | 31514 | 32770 | 32854 |
|                  | 32870  | 32874 | 32901 | 33015 | 33023 | 33028 | 33093 | 33103 | 33107 | 33633 | 34216 | 34228 |
|                  | 34509  | 34641 | 34654 | 34714 | 34725 | 34830 | 34851 | 34893 | 34969 | 35149 | 35200 | 35269 |
|                  | 35388  | 35407 | 35455 | 35483 | 35577 | 35697 | 35776 | 35786 | 35821 | 35827 | 35865 | 35882 |
|                  | 35908  | 35943 | 35947 | 36044 | 36245 | 36398 | 36434 | 36490 | 36503 | 36507 | 36565 | 36634 |
|                  | 36740  | 37065 | 37205 | 37279 | 37404 | 37420 | 37506 | 37681 | 37773 | 37781 | 38021 | 38158 |
|                  | 38340  | 38715 | 38783 | 38807 | 38818 | 38822 | 38889 | 38929 | 39295 | 39352 | 39362 | 39380 |
|                  | 39395  | 39402 | 39594 | 39601 | 39625 | 39638 | 39685 | 39698 | 39710 | 39724 | 39735 | 39749 |
|                  | 39762  | 39776 | 39789 | 39793 | 39803 | 39818 | 39835 | 39849 | 39865 | 39880 | 40250 | 40276 |
|                  | 40470  | 40600 | 40678 | 40708 | 40809 | 40830 | 41013 | 41289 | 41380 |       |       |       |
| SC_K[] .ALU      | 3135 # | 6378  | 9785  | 11067 | 11073 | 23882 | 25352 | 37361 |       |       |       |       |
| SC_LA            | 3136 # | 13943 | 13948 |       |       |       |       |       |       |       |       |       |
| SC_LA.AND.K[]    | 3137 # | 26802 |       |       |       |       |       |       |       |       |       |       |
| SC_LC(EXP)       | 3138 # | 6105  | 10922 | 10933 | 11556 | 11560 | 11573 | 11577 | 12062 | 13707 |       |       |
| SC_NABS(SC-FE)   | 3139 # | 10160 | 10212 | 10244 | 10280 | 12398 | 18987 | 20395 |       |       |       |       |
| SC_PSLADDR       | 3140 # | 17989 |       |       |       |       |       |       |       |       |       |       |
| SC_Q             | 3141 # | 5592  | 6902  | 8325  | 8747  | 13250 | 13253 | 14386 | 17681 | 21563 | 21936 | 27420 |
|                  | 31066  | 31085 | 36725 | 36732 |       |       |       |       |       |       |       |       |
| SC_Q(EXP)        | 3142 # | 4206  | 4210  | 9435  | 10151 | 12917 | 13378 | 32988 | 33600 | 41403 |       |       |
| SC_Q(EXP) (B)    | 3143 # | 10273 | 10573 | 10689 |       |       |       |       |       |       |       |       |
| SC_Q+K[]         | 3144 # | 14704 | 14713 |       |       |       |       |       |       |       |       |       |
| SC_Q-K[]         | 3145 # | 18038 |       |       |       |       |       |       |       |       |       |       |
| SC_Q.AND.K[]     | 3146 # | 6307  | 14470 | 32940 |       |       |       |       |       |       |       |       |
| SC_Q.OR.K[]      | 3147 # | 26119 | 26149 |       |       |       |       |       |       |       |       |       |
| SC_Q.SXT[]       | 3148 # | 8335  | 8414  |       |       |       |       |       |       |       |       |       |
| SC_RCC[]         | 3149 # | 3919  | 11846 | 21889 | 21998 | 22033 | 22585 | 22706 | 23366 | 23386 | 23435 | 23580 |
|                  | 25143  | 28955 | 29223 | 29250 | 29308 | 29594 | 29684 | 29928 |       |       |       |       |
| SC_RCC[](EXP)    | 3150 # | 11010 | 13116 | 33067 | 33078 | 41115 | 41170 |       |       |       |       |       |
| SC_RC[]          | 3151 # | 16227 | 17737 |       |       |       |       |       |       |       |       |       |
| SC_RC[](EXP)     | 3152 # | 11917 | 13412 | 13597 |       |       |       |       |       |       |       |       |
| SC_RC[] .AND.K[] | 3153 # | 15676 |       |       |       |       |       |       |       |       |       |       |
| SC_SC+1          | 3154 # | 4158  | 4479  | 5572  | 5960  | 6715  | 8565  | 9350  | 9381  | 10003 | 10178 | 10189 |
|                  | 10231  | 10263 | 10298 | 10306 | 10427 | 11063 | 11316 | 11323 | 11751 | 11858 | 12089 | 12381 |
|                  | 13058  | 13088 | 13538 | 14098 | 16073 | 16603 | 18971 | 19011 | 19877 | 19883 | 19886 | 19926 |
|                  | 20383  | 20793 | 20810 | 20920 | 20950 | 21546 | 21648 | 22188 | 22190 | 22237 | 23636 | 23960 |
|                  | 23969  | 25276 | 25289 | 25303 | 25357 | 27400 | 27456 | 29451 | 30562 | 30570 | 30575 | 30584 |
|                  | 30590  | 30594 | 30606 | 30610 | 30621 | 30630 | 30662 | 31537 | 33605 | 33644 | 35556 | 37046 |
|                  | 37109  | 37358 | 38047 | 38368 | 38452 | 38482 | 38883 | 38950 | 39069 | 39204 | 39219 | 39655 |
|                  | 39896  | 40143 | 40504 | 41194 | 41203 | 41206 |       |       |       |       |       |       |
| SC_SC+EXP(Q) (A) | 3155 # | 33637 |       |       |       |       |       |       |       |       |       |       |
| SC_SC+FE         | 3156 # | 5974  | 8471  | 10736 | 12938 | 14413 | 14424 | 14478 | 22205 | 26324 | 28349 | 28354 |
|                  | 33011  | 33090 |       |       |       |       |       |       |       |       |       |       |
| SC_SC+K[]        | 3157 # | 4078  | 4819  | 6170  | 6923  | 9422  | 8428  | 8490  | 9423  | 10753 | 11548 | 11564 |
|                  | 11568  | 11729 | 13004 | 13235 | 14501 | 14550 | 22091 | 22137 | 22277 | 22640 | 22996 | 23135 |
|                  | 23951  | 24108 | 26125 | 26157 | 26166 | 27817 | 28258 | 28344 | 30497 | 30678 | 31383 | 31389 |
|                  | 31942  | 31962 | 31969 | 34522 | 35307 | 38086 | 38916 | 40203 | 40232 | 41305 | 41423 |       |

|                     |        |       |       |       |       |       |       |       |       |       |       |       |  |  |
|---------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| SC_SC+SHF.VAL       | 3158 # | 35032 | 35194 | 38912 |       |       |       |       |       |       |       |       |  |  |
| SC_SC-FE            | 3159 # | 11496 | 13523 | 13917 | 15080 | 16469 | 16474 | 19035 | 21308 | 23801 | 33543 | 36709 |  |  |
|                     | 38243  | 40380 | 40390 | 40403 | 40411 | 41047 |       |       |       |       |       |       |  |  |
| SC_SC-K[]           | 3160 # | 4390  | 5416  | 5992  | 6580  | 8453  | 8549  | 9245  | 9246  | 9247  | 9248  | 9254  |  |  |
|                     | 9255   | 9256  | 9257  | 9266  | 9267  | 9268  | 9269  | 9276  | 9277  | 9278  | 9279  | 9283  |  |  |
|                     | 9284   | 9285  | 9286  | 9315  | 9329  | 9464  | 9474  | 10633 | 10746 | 11469 | 11776 | 11783 |  |  |
|                     | 11806  | 11813 | 12096 | 12235 | 12239 | 12276 | 12331 | 12336 | 12865 | 12893 | 12894 | 12895 |  |  |
|                     | 12896  | 12904 | 12905 | 12906 | 12907 | 12949 | 13213 | 13269 | 13840 | 18282 | 18995 | 19086 |  |  |
|                     | 19343  | 19549 | 19595 | 19743 | 20215 | 21590 | 21601 | 21630 | 21957 | 22050 | 22178 | 22220 |  |  |
|                     | 22233  | 22242 | 22579 | 23377 | 23409 | 24985 | 25464 | 26293 | 27383 | 27387 | 27412 | 27440 |  |  |
|                     | 27444  | 27478 | 30795 | 33019 | 33040 | 33098 | 35510 | 35567 | 35627 | 35634 | 35641 | 35650 |  |  |
|                     | 35657  | 36842 | 36865 | 37012 | 37549 | 37585 | 37616 | 38037 | 38051 | 38284 | 38463 | 38763 |  |  |
|                     | 38796  | 38839 | 39086 | 39156 | 39201 | 39208 | 39232 | 39462 | 39490 | 39900 | 40091 | 40355 |  |  |
|                     | 40431  | 40713 | 41004 | 41312 |       |       |       |       |       |       |       |       |  |  |
| SC_SC-SHF.VAL       | 3161 # | 6597  | 10415 | 10629 | 10749 | 11965 | 12994 | 13010 | 13504 | 14566 | 19313 | 23910 |  |  |
|                     | 38171  |       |       |       |       |       |       |       |       |       |       |       |  |  |
| SC_SC.ANDNOT.FE     | 3162 # | 24980 | 31238 | 31322 | 31405 | 35019 | 35091 |       |       |       |       |       |  |  |
| SC_SC.ANDNOT.K[]    | 3163 # | 5616  | 8772  | 14725 | 15121 | 15535 | 15541 | 15672 | 16545 | 16571 | 16591 | 16596 |  |  |
|                     | 23977  | 34700 | 36658 | 36662 |       |       |       |       |       |       |       |       |  |  |
| SC_SC.OR.K[]        | 3164 # | 20258 | 25101 | 37210 | 37290 | 38726 | 38732 | 38739 | 38770 | 38778 | 38802 | 38970 |  |  |
|                     | 40028  | 40082 | 40499 |       |       |       |       |       |       |       |       |       |  |  |
| SC_SHF.VAL          | 3165 # | 11464 | 16437 | 16457 | 39890 |       |       |       |       |       |       |       |  |  |
| SC_STATE            | 3166 # | 14865 | 17514 | 18483 | 28340 |       |       |       |       |       |       |       |  |  |
| SC_STATE.ANDNOT.K[] | 3167 # | 15661 |       |       |       |       |       |       |       |       |       |       |  |  |
| SC_STATE.OR.K[]     | 3168 # | 7047  |       |       |       |       |       |       |       |       |       |       |  |  |
| SD_NOT.SD           | 3169 # | 3710  | 3740  | 4104  | 5180  | 5189  | 10356 | 10423 | 11334 | 11455 | 11709 | 11955 |  |  |
|                     | 11972  | 12015 | 12491 | 12526 | 15611 | 16406 | 23715 | 25040 | 34993 | 35182 | 35486 | 37439 |  |  |
|                     | 39323  |       |       |       |       |       |       |       |       |       |       |       |  |  |
| SD_SS               | 3170 # | 3680  | 6586  | 10332 | 10618 | 10738 | 10906 | 11705 | 12235 | 12330 | 12470 | 12734 |  |  |
|                     | 12963  | 13447 | 13912 | 33042 | 33090 | 34508 | 35482 | 35856 | 36333 | 36994 | 37518 | 37874 |  |  |
|                     | 38219  | 39317 | 39619 | 40717 |       |       |       |       |       |       |       |       |  |  |
| SET.CC(BYTE)        | 3323 # | 5968  | 22202 | 22664 | 23345 | 26714 | 26878 | 27209 | 27219 |       |       |       |  |  |
| SET.CC(INST)        | 3324 # | 4003  | 4012  | 4020  | 4026  | 4049  | 4154  | 6221  | 6274  | 6340  | 6386  | 6396  |  |  |
|                     | 6422   | 6426  | 6435  | 7388  | 7399  | 7412  | 7425  | 7435  | 7476  | 7480  | 7632  | 7654  |  |  |
|                     | 7794   | 7840  | 7887  | 7898  | 7909  | 7921  | 8013  | 8023  | 8031  | 8161  | 8183  | 8195  |  |  |
|                     | 8203   | 8208  | 8228  | 8232  | 8241  | 8246  | 8268  | 8293  | 8304  | 8313  | 8583  | 8591  |  |  |
|                     | 8657   | 8670  | 8870  | 8899  | 9354  | 9365  | 9384  | 9389  | 9394  | 9570  | 9574  | 9952  |  |  |
|                     | 9971   | 10104 | 10112 | 10116 | 10120 | 10124 | 10131 | 10136 | 10141 | 10167 | 10173 | 10184 |  |  |
|                     | 10220  | 10226 | 10252 | 10258 | 10288 | 10294 | 10302 | 10544 | 10584 | 10791 | 10807 | 10817 |  |  |
|                     | 10822  | 10830 | 10835 | 10842 | 10847 | 10850 | 10853 | 10903 | 10935 | 11058 | 11082 | 11093 |  |  |
|                     | 11099  | 11267 | 11281 | 11286 | 11517 | 11932 | 11995 | 12039 | 12079 | 12085 | 12102 | 12376 |  |  |
|                     | 12432  | 12442 | 12447 | 12944 | 12954 | 12960 | 13315 | 13323 | 13330 | 14558 | 24283 | 24317 |  |  |
|                     | 26620  | 26629 | 26739 | 26643 | 26665 | 26668 | 26673 | 26683 | 26690 | 26694 | 26702 | 26710 |  |  |
|                     | 26756  | 26761 | 26783 | 26788 | 26874 | 26886 | 27116 | 27121 | 27135 | 27140 | 27157 | 27162 |  |  |
|                     | 27177  | 27186 | 27190 | 27204 | 27231 | 27235 | 27240 | 27244 | 27248 | 27252 | 27259 | 27267 |  |  |
|                     | 27271  | 27278 | 27282 | 27287 | 27293 | 27317 | 27321 | 27519 | 27545 | 32461 | 32468 | 32511 |  |  |
|                     | 32523  | 32670 | 32676 | 32691 | 32700 | 33445 | 33449 | 33652 | 33894 | 35253 | 36635 | 37157 |  |  |
|                     | 37417  | 38108 | 38155 | 40923 |       |       |       |       |       |       |       |       |  |  |
| SET.CC(LONG)        | 3325 # | 4878  | 5663  | 5994  | 6042  | 6055  | 7444  | 7930  | 8095  | 11733 | 11750 | 11758 |  |  |
|                     | 11775  | 11782 | 11805 | 11812 | 14936 | 15026 | 16215 | 16248 | 16261 | 16590 | 16595 | 18754 |  |  |
|                     | 19374  | 20748 | 20753 | 20898 | 21030 | 21034 | 21087 | 21095 | 21114 | 21122 | 21145 | 21150 |  |  |
|                     | 21698  | 21709 | 21853 | 22180 | 22222 | 22233 | 22320 | 22659 | 22696 | 23332 | 27476 | 27643 |  |  |
|                     | 27650  | 36890 | 37683 | 39355 | 39432 | 39441 | 39451 | 39466 | 39486 | 39496 | 40153 |       |  |  |
| SET.CC(ROR)         | 3326 # | 27399 | 27455 |       |       |       |       |       |       |       |       |       |  |  |
| SET.CC(WORD)        | 3327 # | 15057 | 16094 | 26722 | 27411 | 27515 | 37806 | 37815 |       |       |       |       |  |  |

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|                          |        |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SET.FPD                  | 3328 # | 7072  | 7075  | 15079 | 15085 | 16443 | 18384 | 18418 | 18422 | 18436 | 18838 | 20681 |
|                          | 21314  | 21940 | 24571 | 24644 | 28198 |       |       |       |       |       |       |       |
| SET.NEST.ERR             | 3329 # | 6880  | 25075 | 25112 | 28527 | 28616 | 28660 | 28743 | 28863 | 28887 | 28935 | 29013 |
|                          | 30275  | 30343 | 30365 | 30927 | 30995 |       |       |       |       |       |       |       |
| SET.PSL.C (AMX)          | 3330 # | 26651 | 26661 | 26751 | 26767 | 26778 | 27263 | 27313 | 27325 | 27646 |       |       |
| SET.V                    | 3331 # | 4255  | 4272  | 5837  | 6999  | 7002  | 7005  | 8533  | 8574  | 11211 | 11660 | 12201 |
|                          | 12272  | 12280 | 12312 | 13249 | 17260 | 18859 | 18861 | 18889 | 19696 | 21496 | 21505 | 24371 |
|                          | 24784  | 27976 | 27981 | 27990 | 28009 | 32482 | 32505 | 32687 | 35422 | 36654 | 36723 | 36869 |
|                          | 36873  | 37391 | 37408 | 37597 | 37601 | 37622 | 37654 | 40351 | 40381 | 40439 |       |       |
| SIGNS?                   | 3414 # | 4464  | 6945  | 8366  | 8437  | 9442  | 9507  | 9621  | 9678  | 9788  | 11940 | 11943 |
|                          | 12002  | 19415 | 19421 | 20363 | 22606 | 22973 | 23112 | 27508 | 27564 | 27580 | 27607 | 32471 |
|                          | 32515  | 32678 | 32693 | 37424 | 38162 | 38601 | 38604 |       |       |       |       |       |
| SPEC                     | 3332 # | 33403 |       |       |       |       |       |       |       |       |       |       |
| SPECG                    | 3333 # | 33398 |       |       |       |       |       |       |       |       |       |       |
| SRC.PC?                  | 3415 # | 27336 | 27350 |       |       |       |       |       |       |       |       |       |
| SS?                      | 3416 # | 12138 | 12171 | 12253 | 12280 | 12284 | 15638 | 35026 | 36850 | 36873 | 37491 | 37569 |
|                          | 37597  | 37622 | 37625 | 37948 | 37961 | 40287 | 40364 | 40399 | 40417 | 40423 | 40440 | 40444 |
|                          | 41456  |       |       |       |       |       |       |       |       |       |       |       |
| SS_O&SD_0                | 3171 # | 4091  | 12322 | 15085 | 15089 | 15095 | 15668 | 16444 | 23702 | 37500 |       |       |
| SS_ALU15                 | 3172 # | 3848  | 5541  | 6228  | 6281  | 6430  | 6442  | 7326  | 8089  | 8134  | 8620  | 8623  |
|                          | 8626   | 8707  | 8717  | 8806  | 8853  | 8856  | 10093 | 10151 | 10195 | 10205 | 10238 | 10274 |
|                          | 10442  | 10470 | 10481 | 10536 | 10575 | 10644 | 10690 | 10782 | 10901 | 10913 | 12113 | 12132 |
|                          | 12345  | 12366 | 12437 | 12451 | 12502 | 12563 | 12648 | 12658 | 12918 | 13413 | 13471 | 13517 |
|                          | 13598  | 23876 | 28254 | 31399 | 31781 | 31800 | 31817 | 31836 | 31925 | 32071 | 32475 | 32492 |
|                          | 32681  | 32989 | 33068 | 34316 | 36977 | 37696 | 37779 | 37827 | 37837 | 37933 | 41250 | 41290 |
|                          | 41356  | 41449 |       |       |       |       |       |       |       |       |       |       |
| SS_SD                    | 3173 # | 3721  | 3733  | 3754  | 3774  | 10917 | 12510 | 12540 | 15625 | 23718 | 25045 | 37948 |
| SS_SS.XOR.ALU15&SD_ALU15 | 3174 # | 6544  | 6574  | 10099 | 10551 | 10590 | 10671 | 10714 | 10787 | 11898 | 12064 | 12361 |
|                          | 12681  | 12933 | 13439 | 13548 | 32998 | 33006 | 33079 | 34325 | 36496 | 37863 | 37971 | 38349 |
|                          | 40202  | 41453 |       |       |       |       |       |       |       |       |       |       |
| START_IB                 | 3334 # | 26286 | 27959 | 27971 | 28559 | 28565 | 28571 | 28577 | 28694 | 28810 | 28836 | 28954 |
|                          | 30896  |       |       |       |       |       |       |       |       |       |       |       |
| STATE(7)?                | 3417 # |       |       |       |       |       |       |       |       |       |       |       |
| STATE0?                  | 3418 # | 3735  | 6248  | 6432  | 6443  | 9628  | 9805  | 11044 | 11365 | 11518 | 12368 | 12439 |
|                          | 12452  | 12521 | 12841 | 12854 | 13099 | 13111 | 16407 | 26360 | 27910 | 31807 | 31842 | 31955 |
|                          | 32097  | 32212 | 32342 | 33847 | 34736 | 34773 | 35020 | 35986 | 35996 | 36804 | 41118 |       |
| STATE1-0?                | 3419 # | 15319 | 28274 |       |       |       |       |       |       |       |       |       |
| STATE1?                  | 3420 # | 4986  | 5003  | 12734 | 13127 | 13155 | 26136 | 27780 | 27784 | 27826 | 27831 | 34511 |
|                          | 3421   | 41172 |       |       |       |       |       |       |       |       |       |       |
| STATE2?                  | 3421 # | 16110 | 25342 | 34727 |       |       |       |       |       |       |       |       |
| STATE3-0?                | 3422 # | 3794  | 4211  | 5805  | 6139  | 6150  | 9686  | 18774 | 18778 | 19168 | 19440 | 19646 |
|                          | 20142  | 20145 | 20150 | 20410 | 20724 | 20808 | 20814 | 20907 | 21025 | 21071 | 21074 | 21088 |
|                          | 21096  | 21327 | 21406 | 21423 | 21471 | 21598 | 21628 | 21642 | 21670 | 22034 | 22344 | 22591 |
|                          | 22638  | 22656 | 22704 | 22994 | 23006 | 23143 | 23338 | 23514 | 23518 | 23649 | 24538 | 24572 |
|                          | 27932  | 36924 | 38087 | 39891 |       |       |       |       |       |       |       |       |
| STATE3?                  | 3423 # | 8513  | 8530  | 8570  | 38592 |       |       |       |       |       |       |       |
| STATE4?                  | 3424 # | 3840  | 3845  | 3857  | 12630 | 12635 | 12644 | 13245 | 16586 | 16620 | 16625 | 17137 |
|                          | 36718  | 37801 | 37810 | 37822 | 41394 |       |       |       |       |       |       |       |
| STATE5?                  | 3425 # | 5144  | 12667 | 12672 | 13929 | 13933 | 13936 | 16483 | 16493 | 16616 | 17129 | 37846 |
|                          | 37851  |       |       |       |       |       |       |       |       |       |       |       |
| STATE6?                  | 3426 # | 17207 | 17261 |       |       |       |       |       |       |       |       |       |
| STATE7-4?                | 3427 # | 3798  | 6130  | 7069  | 11851 | 13133 | 13138 | 15669 | 18847 | 18878 | 18881 | 18886 |
|                          | 19687  | 20111 | 20371 | 20407 | 20416 | 21062 | 21066 | 21101 | 21118 | 21131 | 21133 | 21477 |
|                          | 21485  | 21488 | 22359 | 22382 | 22550 | 23351 | 23624 | 23734 | 23741 | 23859 | 24816 | 24884 |
|                          | 35787  | 38434 | 38872 | 38878 | 41488 |       |       |       |       |       |       |       |

|                            |        |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| STATE_0(A)                 | 3175 # | 4130  | 6471  | 6782  | 8465  | 9796  | 9826  | 9835  | 9881  | 9894  | 11716 | 12554 |
|                            | 13017  | 13647 | 16351 | 27714 | 27730 | 28164 |       |       |       |       |       |       |
| STATE_AMX.EXP              | 3176 # | 15656 | 16662 | 23838 |       |       |       |       |       |       |       |       |
| STATE_D(EXP)               | 3177 # | 4098  | 4103  | 23709 | 23714 |       |       |       |       |       |       |       |
| STATE_FE                   | 3178 # | 13201 | 16606 | 17507 | 18747 | 19508 | 20727 | 20737 | 21810 | 25347 | 25862 | 25872 |
|                            | 25884  | 26354 | 28243 | 36610 | 37226 | 41234 |       |       |       |       |       |       |
| STATE_FIRST                | 3179 # | 17484 |       |       |       |       |       |       |       |       |       |       |
| STATE_INNEROBJ             | 3180 # | 3885  | 16849 | 17023 |       |       |       |       |       |       |       |       |
| STATE_INNERSRC             | 3181 # | 16863 |       |       |       |       |       |       |       |       |       |       |
| STATE_KC]                  | 3182 # | 3880  | 3885  | 6504  | 6650  | 8417  | 9613  | 9670  | 11124 | 11157 | 11171 | 11179 |
|                            | 11193  | 11227 | 11587 | 11593 | 11608 | 11755 | 12346 | 12355 | 12458 | 12463 | 12581 | 13039 |
|                            | 13197  | 13206 | 13243 | 13676 | 13824 | 13889 | 13983 | 13993 | 15023 | 15058 | 15065 | 15747 |
|                            | 15953  | 16180 | 16370 | 16390 | 16787 | 16849 | 16863 | 17018 | 17023 | 17429 | 17484 | 17541 |
|                            | 18003  | 18989 | 19089 | 19283 | 19361 | 19755 | 19765 | 19841 | 19978 | 20266 | 20269 | 20418 |
|                            | 20537  | 20628 | 20638 | 21248 | 21492 | 22510 | 22514 | 22545 | 23305 | 23371 | 23411 | 24428 |
|                            | 24433  | 24639 | 24701 | 24706 | 25336 | 27705 | 31464 | 31465 | 33132 | 33304 | 33468 | 33535 |
|                            | 34820  | 34845 | 34855 | 35340 | 35362 | 35366 | 35417 | 35421 | 36049 | 36240 | 36593 | 36620 |
|                            | 36715  | 36920 | 37058 | 37156 | 37202 | 37682 | 37713 | 38651 | 38671 | 39253 | 39272 | 39543 |
|                            | 39565  | 40307 | 40530 | 40667 | 40733 | 40821 | 40924 | 41064 | 41294 | 41508 |       |       |
| STATE_OUTER                | 3183 # | 3880  | 16787 | 17018 |       |       |       |       |       |       |       |       |
| STATE_PREDEC               | 3184 # | 17541 |       |       |       |       |       |       |       |       |       |       |
| STATE_Q(EXP)               | 3185 # | 6237  | 9435  | 23191 | 31804 | 31839 | 31952 | 32094 | 32209 | 32339 |       |       |
| STATE_SC.VIA.KMX           | 3186 # | 7119  | 18507 | 18511 |       |       |       |       |       |       |       |       |
| STATE_SKPLONG              | 3187 # | 15953 |       |       |       |       |       |       |       |       |       |       |
| STATE_STATE+1              | 3188 # | 6479  | 6702  | 9755  | 9765  | 9801  | 9852  | 13072 | 13655 | 16482 | 16492 | 19915 |
|                            | 20285  | 21055 | 21626 | 21641 | 27720 | 28177 | 36766 | 38061 |       |       |       |       |
| STATE_STATE+FE             | 3189 # | 9441  | 13249 | 13253 | 16566 | 20887 | 20909 | 36724 | 36730 |       |       |       |
| STATE_STATE+K[]            | 3190 # | 13094 | 21519 | 21524 | 22142 | 22145 | 27794 | 27841 | 36798 | 41479 | 41485 |       |
| STATE_STATE-FE             | 3191 # | 18752 | 19515 | 21813 |       |       |       |       |       |       |       |       |
| STATE_STATE-K[]            | 3192 # | 9446  | 15375 | 15586 | 16580 | 17220 | 18008 | 21663 |       |       |       |       |
| STATE_STATE.AN.ST00        | 3194 # | 17571 |       |       |       |       |       |       |       |       |       |       |
| STATE_STATE.AN.6T04        | 3195 # | 7032  | 18347 | 18406 |       |       |       |       |       |       |       |       |
| STATE_STATE.AN.DESTDBL     | 3196 # | 17934 | 17951 |       |       |       |       |       |       |       |       |       |
| STATE_STATE.AN.NOTPREDEC   | 3197 # | 17535 | 17818 | 17863 | 17869 | 17909 | 17915 | 17920 | 18126 | 18146 | 18151 | 18160 |
|                            | 18224  |       |       |       |       |       |       |       |       |       |       |       |
| STATE_STATE.AN.PREDECZERO  | 3198 # | 17733 | 18216 |       |       |       |       |       |       |       |       |       |
| STATE_STATE.AN.SKPLONG     | 3193 # | 15761 | 15768 | 15775 | 15830 |       |       |       |       |       |       |       |
| STATE_STATE.AN.NOT.FE      | 3199 # | 13227 | 17112 | 20868 | 23729 | 24733 | 35985 | 36678 | 37230 |       |       |       |
| STATE_STATE.AN.NOT.K[]     | 3200 # | 4453  | 5799  | 6138  | 6149  | 6813  | 6818  | 6828  | 6833  | 6846  | 6861  | 6959  |
|                            | 7032   | 15180 | 15187 | 15331 | 15338 | 15461 | 15518 | 15630 | 15660 | 15761 | 15768 | 15775 |
|                            | 15830  | 16464 | 16615 | 16666 | 16670 | 16995 | 17202 | 17535 | 17571 | 17733 | 17818 | 17863 |
|                            | 17869  | 17909 | 17915 | 17920 | 17934 | 17951 | 18126 | 18146 | 18151 | 18160 | 18216 | 18224 |
|                            | 18347  | 18406 | 18557 | 19401 | 20409 | 20779 | 20930 | 20992 | 21019 | 21046 | 21079 | 21120 |
|                            | 21392  | 21396 | 21446 | 21562 | 21861 | 21888 | 21950 | 22022 | 22061 | 22309 | 22621 | 22703 |
|                            | 23194  | 23623 | 23842 | 24852 | 24864 | 37867 | 37969 | 38375 | 38386 | 38886 | 39438 | 41447 |
| STATE_STATE.AN.NOT.SHF.VAL | 3201 # | 12840 |       |       |       |       |       |       |       |       |       |       |
| STATE_STATE.OR.ADJINP      | 3204 # | 18237 | 18250 |       |       |       |       |       |       |       |       |       |
| STATE_STATE.OR.DEST        | 3205 # | 17899 | 17977 | 17983 | 18049 | 18054 |       |       |       |       |       |       |
| STATE_STATE.OR.DESTDBL     | 3206 # | 18031 |       |       |       |       |       |       |       |       |       |       |
| STATE_STATE.OR.FE          | 3202 # | 22554 | 22559 | 22564 | 22567 |       |       |       |       |       |       |       |
| STATE_STATE.OR.FILL        | 3207 # | 4325  | 17700 | 18116 |       |       |       |       |       |       |       |       |
| STATE_STATE.OR.FLOAT       | 3208 # | 17721 |       |       |       |       |       |       |       |       |       |       |
| STATE_STATE.OR.K[]         | 3203 # | 4325  | 4469  | 4495  | 4502  | 4651  | 4677  | 4907  | 4939  | 5402  | 5742  | 6144  |
|                            | 6198   | 6625  | 6743  | 12598 | 13908 | 15110 | 15228 | 15235 | 15243 | 15272 | 15280 | 15360 |
|                            | 15551  | 16450 | 17107 | 17494 | 17554 | 17632 | 17700 | 17712 | 17721 | 17830 | 17890 | 17977 |



|                  |        |       |       |       |       |       |       |       |       |       |       |       |
|------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| VA_LA-Q          | 3231 # | 18141 |       |       |       |       |       |       |       |       |       |       |
| VA_LA.AND.LC     | 3232 # | 15442 |       |       |       |       |       |       |       |       |       |       |
| VA_LA.ANDNOT.K[] | 3233 # | 15309 |       |       |       |       |       |       |       |       |       |       |
| VA_LB+D.OXT      | 3234 # | 16221 |       |       |       |       |       |       |       |       |       |       |
| VA_PC            | 3235 # | 27019 | 28943 | 29299 | 29674 | 30889 |       |       |       |       |       |       |
| VA_Q             | 3236 # | 4202  | 7260  | 7753  | 9076  | 12653 | 18901 | 20128 | 20499 | 24429 | 24434 | 24445 |
|                  | 24722  | 25272 | 25335 | 27051 | 29024 | 30928 | 30996 | 33204 | 33764 | 34235 | 37832 |       |
| VA_Q+D           | 3237 # | 23843 |       |       |       |       |       |       |       |       |       |       |
| VA_Q+K[]         | 3238 # | 24367 | 24372 | 25105 | 28372 | 41408 |       |       |       |       |       |       |
| VA_Q+LB          | 3239 # | 22128 |       |       |       |       |       |       |       |       |       |       |
| VA_Q+LB.PC       | 3240 # | 5227  | 5279  | 5331  | 7224  | 7711  | 9025  | 9031  | 14279 | 33180 | 33186 | 33714 |
|                  | 33721  | 34085 | 34205 | 34208 |       |       |       |       |       |       |       |       |
| VA_Q+LC          | 3241 # | 27744 |       |       |       |       |       |       |       |       |       |       |
| VA_Q+PC          | 3242 # | 8883  | 8887  | 8903  | 27092 | 27102 |       |       |       |       |       |       |
| VA_Q-K[]         | 3243 # | 23814 | 28329 |       |       |       |       |       |       |       |       |       |
| VA_Q-LB          | 3244 # | 26290 |       |       |       |       |       |       |       |       |       |       |
| VA_Q.ANDNOT.K[]  | 3245 # | 14447 | 14457 |       |       |       |       |       |       |       |       |       |
| VA_RC[]          | 3246 # | 9136  | 13110 | 13121 | 13154 | 14781 | 24487 | 24517 | 24640 | 24666 | 24772 | 24819 |
|                  | 24853  | 24865 | 24887 | 28549 | 28700 | 28839 | 29275 | 29280 | 29924 | 32162 | 32279 | 32356 |
|                  | 32363  | 33846 | 33860 | 33915 | 33923 | 41116 | 41128 | 41146 | 41171 |       |       |       |
| VA_RE[]          | 3247 # | 3875  | 7576  | 13459 | 13506 | 13696 | 15745 | 16204 | 16778 | 16791 | 17010 | 18214 |
|                  | 18560  | 18610 | 18666 | 18670 | 21391 | 21862 | 22315 | 22343 | 23624 | 23631 | 23998 | 24481 |
|                  | 24484  | 24534 | 24568 | 24654 | 24764 | 24768 | 24807 | 24845 | 24876 | 25210 | 26538 | 26571 |
|                  | 36067  | 40677 | 40707 | 40809 |       |       |       |       |       |       |       |       |
| VA_VA+4          | 3248 # | 4077  | 4086  | 4090  | 4100  | 4105  | 4777  | 5661  | 6923  | 6928  | 7343  | 7830  |
|                  | 7844   | 9158  | 9167  | 12585 | 12661 | 13164 | 13727 | 13854 | 13900 | 14005 | 14101 | 14481 |
|                  | 14751  | 14795 | 15383 | 15456 | 22293 | 23635 | 23689 | 23697 | 23701 | 23711 | 23716 | 23719 |
|                  | 23765  | 23772 | 23966 | 23976 | 24006 | 24281 | 24306 | 24476 | 24497 | 24524 | 24676 | 24759 |
|                  | 24812  | 24857 | 25220 | 25290 | 25298 | 25308 | 25314 | 25321 | 25346 | 25362 | 25368 | 25379 |
|                  | 25386  | 25398 | 25417 | 25431 | 28666 | 28803 | 32299 | 32309 | 32779 | 32783 | 32809 | 32829 |
|                  | 33908  | 33935 | 33942 | 33953 | 33960 | 33967 | 33980 | 36111 | 36280 | 36320 | 36428 | 37716 |
|                  | 37840  | 40510 | 40515 | 40568 | 40580 | 40586 | 40593 | 41154 | 41160 | 41166 |       |       |
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|                  | 26869  | 26881 | 27057 | 27070 | 27147 | 27152 | 27168 | 27212 | 27307 | 27353 | 27392 | 27463 |
|                  | 27466  | 27514 | 27536 | 27539 | 27631 | 27635 | 27639 | 30220 | 32716 | 32727 | 34343 | 34352 |
|                  | 34364  | 34371 | 34381 | 34393 | 34397 | 34407 | 34416 | 34417 | 34422 | 34431 | 34436 | 34734 |
|                  | 34778  | 34784 | 34800 | 34898 | 34930 | 34934 | 35392 | 35411 | 35465 | 36154 | 36457 | 36905 |
|                  | 36912  | 36943 | 36946 | 36952 | 36978 | 37119 | 37383 | 37873 | 37937 | 37944 | 37952 | 37978 |
|                  | 38005  | 38045 | 38055 | 38113 | 38118 | 38130 | 38256 | 38345 | 38585 | 38622 | 38684 | 38690 |
|                  | 39287  | 39537 | 39566 | 40208 | 40325 | 40534 | 40570 | 40615 | 40672 | 40697 | 40775 | 40814 |
|                  | 41365  | 41388 | 41392 | 41462 | 41469 | 41499 |       |       |       |       |       |       |
| WRITE.DEST       | 3342 # | 4155  | 4232  | 4238  | 6348  | 6358  | 7551  | 8162  | 8233  | 8242  | 8247  | 8270  |
|                  | 8314   | 8355  | 8408  | 8534  | 8541  | 8575  | 9385  | 9390  | 9395  | 9590  | 9697  | 9701  |
|                  | 9707   | 9718  | 10011 | 10019 | 10023 | 10027 | 10289 | 10515 | 10526 | 10585 | 10760 | 11236 |
|                  | 11612  | 11657 | 11661 | 11947 | 11951 | 11962 | 11978 | 12005 | 12022 | 12047 | 12050 | 12086 |
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|                  | 11476  | 11507 | 12066 | 12186 | 12277 | 12308 | 12513 | 12767 | 12778 | 13343 | 13593 | 13708 |
|                  | 14010  | 14122 | 15115 | 15157 | 15349 | 15443 | 15536 | 15542 | 15743 | 15812 | 15824 | 15884 |
|                  | 15987  | 16205 | 16254 | 16258 | 16416 | 16474 | 16505 | 16525 | 16743 | 16750 | 16811 | 16815 |
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| 18301  | 18309 | 19151 | 19928 | 20129 | 20249 | 20260 | 20283 | 20267 | 20521 | 20526 | 20535 |
| 21397  | 21549 | 21560 | 21914 | 21965 | 21995 | 22070 | 22103 | 23028 | 23637 | 23720 | 23883 |
| 24141  | 24356 | 24364 | 24446 | 24651 | 24722 | 24804 | 24842 | 24857 | 24873 | 25259 | 25778 |
| 25792  | 26090 | 26098 | 26105 | 26159 | 26167 | 26250 | 26311 | 26337 | 26396 | 26599 | 30076 |
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| 31129  | 31159 | 31170 | 31498 | 32737 | 32745 | 32763 | 32775 | 32934 | 33504 | 34327 | 34339 |
| 34531  | 34538 | 34564 | 34591 | 35044 | 35207 | 35244 | 35304 | 35315 | 35318 | 35866 | 35883 |
| 36078  | 36089 | 36115 | 36174 | 36181 | 36284 | 36436 | 36525 | 36843 | 36854 | 36899 | 36947 |
| 36952  | 37120 | 37269 | 37374 | 37380 | 37617 | 37649 | 37709 | 37720 | 37972 | 37991 | 38119 |
| 38358  | 38415 | 38420 | 38907 | 39136 | 39143 | 39213 | 40007 | 40216 | 40436 | 40540 | 40575 |
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| U 00C8    | 7505:  | 7524:  | 7528:  | 7647   | 7532:  | 7510:  | 7514:  | 8694=  |
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| U 0140    | 20782= | 18498: | 9634=  | 9641=  | 10168: | 24933= | 8425=  | 8432=  |
| U 0148    | 21042= | 27849= | 16281: | 27854= | 10175: | 10178: | 10186: | 10189: |
| U 0150    | 9621=  | 9624=  | 21715= | 23336: | 7840   | 23436: | 9571=  | 9575=  |
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| U 0190    | 17399= | 7992   | 11340= | 11345= | 8036   | 20355= | 14635= | 20365= |
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| U 0268    | 21115= | 21118= | 21123= | 21125= | 7702:  | 8549   | 8179:  | 8185:  |
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| U 09E8   | 14881  | 14884  | 22533= | 22537= | 14912  | 14916  | 14920  | 21333= |

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| U 1008   | 13142=        | 13147= | 3748=  | 3751=  | 13160= | 13165= | 3755=  | 3760=  |
| U 1010   | 31571:        | 5739=  | 13336: | 13702: | 13686: | 3675   | 3682   | 5376=  |
| U 1018   | 3700          | 31286= | 32737= | 31291= | 13224= | 13299: | 13230= | 5381=  |
| U 1020   | 31694:        | 3763   | 4100=  | 12926: | 31697: | 13236= | 4105=  | 13240= |
| U 1028   | 31700:        | 31471: | 4022=  | 4027=  | 31703: | 3830   | 12996= | 4030=  |
| U 1030   | 31706:        | 7072=  | 4017   | 12934: | 31709: | 13245= | 4584=  | 4589=  |
| U 1038   | 31713:        | 7075=  | 4078   | 31295= | 31716: | 4091=  | 13001= | 4094=  |
| U 1040   | 31744:        | 13215= | 31870: | 13194: | 31737: | 5168=  | 31860: | 5172=  |
| U 1048   | 32745:        | 5007=  | 4082   | 5013=  | 3730=  | 3735=  | 4465=  | 4470=  |
| U 1050   | 3721=         | 13219= | 3726=  | 3686=  | 3798=  | 4086   | 3802=  | 3692=  |
| U 1058   | 3774=         | 31337= | 3778=  | 31342= | 4729=  | 4733=  | 4737=  | 4741=  |
| U 1060   | 31719:        | 31722: | 31725: | 3704=  | 13402= | 4178   | 13406= | 3712=  |
| U 1068   | 24438=        | 31475: | 4183   | 3716=  | 24443= | 5149=  | 4475=  | 5152=  |
| U 1070   | 3881=         | 3887=  | 3890=  | 3894=  | 13775= | 4402   | 13778= | 6772=  |
| U 1078   | 24568=        | 24540= | 32741= | 31345= | 24572= | 24543= | 4480=  | 6775=  |
| U 1080   | 3741=         | 3744=  | 13415= | 4004=  | 13090= | 4426   | 13419= | 4008=  |
| U 1088   | 3767=         | 3770=  | 4450   | 4013=  | 13061: | 24430= | 13066: | 24435= |

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| U 1090               | 4127=  | 4132=  | 13791= | 5103=  | 4391=  | 4397=  | 13794= | 5106=  |
| U 1098               | 4575=  | 4579=  | 24411= | 24414= | 6999=  | 7002=  | 7005=  | 7008=  |
| U 10A0               | 4456   | 13965= | 13346= | 13351= | 5769=  | 5773=  | 5176=  | 5180=  |
| U 10A8               | 3835=  | 3840=  | 3845=  | 3851=  | 4232=  | 4503   | 4235=  | 4238=  |
| U 10B0               | 4572   | 13969= | 4778=  | 13972= | 4655   | 13976= | 4783=  | 13980= |
| U 10B8               | 13711= | 13717= | 4788=  | 3857=  | 32065= | 13984= | 32068= | 13988= |
| U 10C0               | 5995=  | 5998=  | 4681   | 5541=  | 6546=  | 6549=  | 13524= | 5545=  |
| U 10C8               | 33073= | 4814   | 4820   | 5549=  | 6722=  | 6727=  | 6084=  | 6088=  |
| U 10D0               | 3916=  | 3921=  | 3925=  | 4879   | 6814=  | 6819=  | 5185=  | 5189=  |
| U 10D8               | 33081= | 5018=  | 33083= | 5022=  | 6839=  | 6842=  | 6133=  | 6139=  |
| U 10E0               | 28120: | 5026   | 5029   | 13357= | 13095= | 13099= | 5237=  | 5240=  |
| U 10E8               | 12880= | 12885= | 13865= | 6144=  | 13074: | 13081: | 13869= | 6150=  |
| U 10F0               | 6591=  | 6225=  | 6594=  | 6228=  | 6848=  | 6231=  | 6851=  | 6234=  |
| U 10F8               | 5032   | 13721= | 24420= | 24424= | 5037   | 6237=  | 6241=  | 5245=  |
| U 1100               | 31228: | 6278=  | 5156   | 6281=  | 6918=  | 6284=  | 6923=  | 6287=  |
| U 1108               | 12767= | 24736= | 12773= | 24741= | 12778= | 6291=  | 12782= | 6294=  |
| U 1110               | 5160   | 3535:  | 3547:  | 5163   | 13106= | 13111= | 5290=  | 5293=  |
| U 1118               | 12798= | 6529=  | 12801= | 6533=  | 12812= | 6536=  | 12817= | 6539=  |
| U 1120               | 3552:  | 3555:  | 3558:  | 3561:  | 3564:  | 3567:  | 3570:  | 3573:  |
| U 1128               | 3576:  | 3579:  | 3582:  | 3585:  | 3588:  | 3591:  | 3594:  | 3597:  |
| U 1130               | 12824= | 6345=  | 12828= | 6348=  | 12832= | 6352=  | 12835= | 6355=  |
| U 1138               | 3948=  | 3952=  | 3956=  | 3961=  | 12841= | 6358=  | 12844= | 6361=  |
| U 1140               | 3671:  | 3794:  | 3825:  | 3876:  | 3911:  | 3943:  | 3981:  | 6222:  |
| U 1148               | 4000:  | 4050:  | 4074:  | 4123:  | 4151:  | 4175:  | 4203:  | 6275:  |
| U 1150               | 6341:  | 6463:  | 4229:  | 4255:  | 4272:  | 4290:  | 4308:  | 4327:  |
| U 1158               | 4346:  | 6982:  | 4386:  | 4421:  | 4445:  | 4499:  | 4523:  | 6080:  |
| U 1160               | 4545:  | 4567:  | 4608:  | 4629:  | 4651:  | 4677:  | 4702:  | 4725:  |
| U 1168               | 4960:  | 4964:  | 4968:  | 4986:  | 5003:  | 5061:  | 5083:  | 5100:  |
| U 1170               | 4770:  | 4810:  | 4841:  | 4873:  | 4910:  | 4941:  | 5125:  | 5144:  |
| U 1178               | 5211:  | 5229:  | 5258:  | 5282:  | 5310:  | 5333:  | 6170:  | 6381:  |
| U 1180               | 5916:  | 6018:  | 5368:  | 5440:  | 5459:  | 5477:  | 5532:  | 5573:  |
| U 1188               | 5595:  | 5638:  | 5664:  | 5689:  | 5730:  | 5827:  | 5856:  | 5888:  |
| U 1190               | 5943:  | 5964:  | 6038:  | 6106:  | 6423:  | 6130:  | 6199:  | 6526:  |
| U 1198               | 6575:  | 6619:  | 6651:  | 6668:  | 6689:  | 6746:  | 6804:  | 6506:  |
| U 11A0               |        |        |        | 5923:  | 6765:  | 7027:  | 7093:  |        |
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| U 11C8               |        |        |        |        |        |        | 13535= | 13539= |
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| U 1210               | 13029= | 6427=  | 13033= | 6432=  | 13494= | 6436=  | 13498= | 6439=  |
| U 1218               | 32149= | 4155=  | 5503=  | 4158=  | 13627= | 6443=  | 13630= | 6446=  |
| U 1220               | 31988: | 31994: | 5752=  | 5757=  | 13370= | 13374= | 5341=  | 5344=  |
| U 1228               | 32028: | 32033: | 6699=  | 6705=  | 5233   | 32426: | 32023: | 31982: |
| U 1230               | 5598=  | 5601=  | 5606=  | 5610=  | 13600= | 13603= | 5399=  | 5403=  |
| U 1238               | 13746= | 13750= | 5263   | 6622=  | 13993= | 5286   | 13997= | 6626=  |
| U 1240               | 31756: | 13924= | 31890: | 5483=  | 31750: | 5315   | 31880: | 5488=  |
| U 1248               | 5779=  | 5783=  | 5337   | 5787=  | 14013= | 14016= | 6779=  | 6783=  |
| U 1250               | 31523= | 13929= | 31526= | 13933= | 5385   | 13936= | 5389   | 13940= |
| U 1258               | 24452= | 24455= | 5395   | 6824=  | 24655= | 24659= | 5408   | 6829=  |
| U 1260               | 5412   | 13198= | 12851= | 12854= | 5417   | 5968=  | 5509   | 5975=  |
| U 1268               | 5538   | 5834=  | 5617   | 5839=  | 24726= | 24729= | 6863=  | 6867=  |

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| U 1270   | 5692   | 13203= | 5696   | 13207= | 5700   | 5979=  | 5705   | 5986=  |
| U 1278   | 32153= | 32157= | 5747   | 6993=  | 24808= | 24812= | 5764   | 6996=  |
| U 1280   | 13830= | 7051=  | 5795   | 7054=  | 5800   | 6055=  | 5806   | 6059=  |
| U 1288   | 32264= | 5830   | 5861   | 7097=  | 24821= | 24824= | 5893   | 7100=  |
| U 1290   | 13835= | 6043   | 13840= | 13846= | 24845= | 24849= | 6928=  | 6931=  |
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| U 12D0   | 6602   | 13566= | 6672   | 13570= | 6693   | 13573= | 6711   | 13577= |
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| U 12F0   | 12890= | 13133= | 6871   | 13138= | 12893= | 12894= | 12895= | 12896= |
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| U 1308   | 33156: | 33160: | 33164: | 33168: | 33172: | 33183: | 6877   | 33187: |
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| U 1318   | 33198: | 6896   | 33201: | 33205: | 33208: | 33211: | 6899   | 33214: |
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| U 1330   | 13651= | 6908   | 13656= | 13659= | 32780= | 32783= | 13441= | 13444= |
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| U 1340   | 32937= | 32940= | 6945   | 13454= | 6985   | 6990   | 7032   | 13459= |
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| U 1368   | 7107   | 24784= | 7110   | 24788= | 33177: | 7113   | 31959= | 31962= |
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| U 1378   | 7129   | 24853= | 12753  | 24857= | 33228: | 33231: | 33237: | 33240: |
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| U 1388   | 12762  | 12786  | 32235: | 32258: | 32251: | 32145: | 32122: | 32137: |
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| U 1398   | 31303= | 31306= | 31309= | 31312= | 32082= | 12939  | 32085= | 32088= |
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| U 13C0   | 13261  | 13279  | 32717: | 13319  | 13343  | 13361  | 31514= | 31518= |
| U 13C8   | 32992: | 13364  | 13369  | 13392  | 32200= | 13397  | 32203= | 32206= |
| U 13D0   | 13422  | 13426  | 13449  | 13457  | 31764= | 31770= | 31773= | 31777= |
| U 13D8   | 33000: | 13472  | 33007: | 13476  | 13488  | 13501  | 32215= | 32219= |
| U 13E0   | 13506  | 13512  | 13517  | 13590  | 13593  | 31781= | 13608  | 31784= |
| U 13E8   | 13612  | 13615  | 32232: | 32244: | 13618  | 13621  | 32125: | 32129: |
| U 13F0   | 13635  | 13639  | 13643  | 13647  | 13663  | 31817= | 13708  | 31821= |
| U 13F8   | 13727  | 13742  | 13754  | 13758  | 13762  | 32280= | 13766  | 32288= |
| U 1400   | 33521: | 33528: | 33537: | 33564: | 33567: | 33583: | 33587: | 33659: |
| U 1408   | 33665: | 33670: | 33679: | 33690: | 33699: | 33717: | 13772  | 33722: |
| U 1410   | 32547= | 13797  | 13801  | 13815  | 33736: | 33739: | 33742: | 33745: |

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| U 1418   | 33748: | 33756: | 33760: | 33766: | 33769: | 33772: | 13818  | 33776: |
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| U 1428   | 39540: | 39250: | 13854  | 13857  | 13861  | 13896  | 38665: | 34821: |
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| U 1438   | 13960  | 14001  | 14007  | 14010  | 14020  | 14025  | 39543: | 39253: |
| U 1440   | 24446  | 33847: | 24461  | 40253: | 33861: | 37475: | 24499  | 37153: |
| U 1448   | 24502  | 24505  | 24509  | 37049: | 36982: | 40154: | 24513  | 37420: |
| U 1450   | 24517  | 24521  | 24526  | 40259: | 24531  | 37481: | 31918= | 31922= |
| U 1458   | 24534  | 24538  | 24548  | 24555  | 32329= | 24559  | 32333= | 32336= |
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| U 1478   | 24636  | 24647  | 24651  | 24663  | 33822: | 33825: | 33832: | 33835: |
| U 1480   | 24666  | 24669  | 37933: | 24673  | 41235: | 36890: | 24677  | 33819: |
| U 1488   | 24681  | 24685  | 38652: | 39273: | 39560: | 36928: | 38746= | 38751= |
| U 1490   | 24717  | 24723  | 24795  | 24799  | 24804  | 24816  | 24829  | 32464= |
| U 1498   | 24835  | 24838  | 38655: | 39276: | 24842  | 24868  | 24873  | 32471= |
| U 14A0   | 24884  | 24896  | 24901  | 24905  | 31234  | 31238  | 31244  | 32515= |
| U 14A8   | 31255  | 36921: | 31271  | 31275  | 31281  | 31318  | 31324  | 32519= |
| U 1480   | 31357  | 31360  | 31375  | 31378  | 31384  | 31389  | 32053= | 32057= |
| U 1488   | 31394  | 31400  | 31405  | 31409  | 31413  | 32569= | 31429  | 32577= |
| U 14C0   | 31478  | 37487: | 36038: | 40451: | 31481  | 40279: | 31530  | 32672= |
| U 14C8   | 36572: | 31534  | 31537  | 31542  | 38158: | 37202: | 31552  | 32678= |
| U 14D0   | 31561  | 37491: | 31760  | 31787  | 31791  | 40287: | 31804  | 32693= |
| U 14D8   | 31807  | 31825  | 31839  | 31842  | 31899  | 31931  | 31935  | 32696= |
| U 14E0   | 31949  | 31952  | 31955  | 31966  | 32759= | 32763= | 32767= | 32771= |
| U 14E8   | 31969  | 31972  | 32062  | 32078  | 32091  | 32094  | 32097  | 32775= |
| U 14F0   | 32107  | 32110  | 32197  | 32209  | 32840= | 32845= | 32851= | 32855= |
| U 14F8   | 32212  | 32223  | 32339  | 32342  | 32353  | 32356  | 32360  | 32859= |
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| U 1508   | 34046: | 34050: | 34057: | 34065: | 34074: | 34082: | 32363  | 34086: |
| U 1510   | 32367  | 32430  | 32434  | 32483  | 34098: | 34101: | 34104: | 34107: |
| U 1518   | 34110: | 34115: | 34123: | 34129: | 34132: | 34135: | 41124= | 41128= |
| U 1520   | 32506  | 32527  | 32563  | 32580  | 34024: | 32898= | 34039: | 32901= |
| U 1528   | 32653  | 32687  | 32702  | 32731  | 32810  | 32832  | 32907  | 32904= |
| U 1530   | 32910  | 32920  | 32924  | 32928  | 32864= | 32867= | 32871= | 32875= |
| U 1538   | 32931  | 32934  | 32959  | 32962  | 33012  | 33086  | 33091  | 32879= |
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| U 1548   | 37972  | 37987  | 37991  | 38005  | 38010  | 32943= | 38013  | 32946= |
| U 1550   | 38048  | 38051  | 38057  | 38062  | 32177= | 32180= | 32183= | 32186= |
| U 1558   | 38109  | 38113  | 38119  | 38136  | 38141  | 32951= | 38144  | 32954= |
| U 1560   | 38147  | 38162  | 38181  | 38185  | 38190  | 32190= | 38194  | 32194= |
| U 1568   | 38198  | 33017= | 38202  | 33020= | 34077: | 33025= | 38227  | 33030= |
| U 1570   | 38232  | 38237  | 38251  | 38284  | 32296= | 32301= | 32306= | 32310= |
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| U 1530   | 38345  | 38350  | 38402  | 38459  | 38463  | 38470  | 38476  | 34139: |
| U 1588   | 38482  | 33095= | 38485  | 33099= | 38490  | 33104= | 38496  | 33109= |
| U 1590   | 38500  | 38505  | 38512  | 38558  | 38558  | 38563  | 38566  | 38601= |
| U 1598   | 38570  | 38574  | 38577  | 38580  | 38586  | 38722  | 38833  | 38604= |
| U 15A0   | 38839  | 38845  | 38864  | 38623= | 38889  | 38901  | 38907  | 38628= |
| U 15A8   | 38936  | 38941  | 38952  | 38632= | 40262= | 38956  | 40265= | 40268= |
| U 15B0   | 38962  | 38974  | 38977  | 38980  | 38983  | 38636= | 32316= | 32319= |
| U 1588   | 38986  | 38989  | 38994  | 39010  | 39016  | 38640= | 39043  | 38643= |



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| U 15C0   | 39056         | 39070  | 39076  | 38729= | 39129  | 39136  | 39151  | 38734= |
| U 15C8   | 39156         | 39161  | 39165  | 38740= | 39171  | 41082= | 39174  | 41085= |
| U 15D0   | 39179         | 39184  | 39188  | 39191  | 39204  | 32323= | 39208  | 32326= |
| U 15D8   | 39213         | 39228  | 39232  | 38883= | 39236  | 39320  | 39326  | 38886= |
| U 15E0   | 39331         | 39334  | 39339  | 32453= | 39342  | 39345  | 39349  | 32458= |
| U 15E8   | 39392         | 39395  | 39399  | 38924= | 39402  | 39405  | 39408  | 38930= |
| U 15F0   | 39425         | 39447  | 39454  | 39459  | 39467  | 39471  | 32475= | 32478= |
| U 15F8   | 39480         | 39487  | 39491  | 38967= | 39498  | 39501  | 39509  | 38971= |
| U 1600   | 34160:        | 39525  | 39633  | 39638  | 34164: | 39642  | 32489= | 32492= |
| U 1608   | 34169:        | 34173: | 34178: | 34182: | 34198: | 34206: | 39646  | 34209: |
| U 1610   | 39650         | 39655  | 39659  | 39673  | 39677  | 39811  | 39858  | 40352= |
| U 1618   | 39891         | 34217: | 39928  | 34237: | 39932  | 39936  | 39939  | 40356= |
| U 1620   | 39943         | 39948  | 39953  | 40332= | 39958  | 39963  | 40019  | 40338= |
| U 1628   | 40025         | 40029  | 40044  | 40342= | 40057  | 40060  | 41324= | 41329= |
| U 1630   | 40112         | 40115  | 40143  | 32588= | 40148  | 40765= | 40168  | 32595= |
| U 1638   | 40173         | 40178  | 40203  | 40210  | 40236  | 40769= | 40242  | 40772= |
| U 1640   | 40348         | 40391  | 40417  | 40776= | 40423  | 40428  | 40431  | 40780= |
| U 1648   | 40436         | 40454  | 40457  | 40783= | 40460  | 40463  | 41459= | 41462= |
| U 1650   | 40466         | 40470  | 40473  | 40476  | 40479  | 32498= | 40521  | 32501= |
| U 1658   | 40558         | 40562  | 40565  | 40858= | 40571  | 40575  | 40590  | 40861= |
| U 1660   | 40593         | 40597  | 40615  | 40618  | 40642  | 40655  | 40697  | 41010= |
| U 1668   | 40699         | 40751  | 40796  | 40800  | 34202: | 40803  | 40827  | 41015= |
| U 1670   | 40831         | 40839  | 40842  | 32628= | 40845  | 40848  | 40851  | 32632= |
| U 1678   | 40855         | 40864  | 40867  | 40870  | 34240: | 34243: | 34252: | 34255: |
| U 1680   | 40881         | 40887  | 40956  | 32645= | 40976  | 40530: | 40915: | 32649= |
| U 1688   | 40981         | 40997  | 41001  | 41005  | 41021  | 35408: | 34845: | 35363: |
| U 1690   | 41024         | 41028  | 41032  | 32663= | 41035  | 41039  | 40925: | 32667= |
| U 1698   | 41044         | 41048  | 41079  | 41088  | 41107  | 35412: | 41112  | 35367: |
| U 16A0   | 41118         | 41132  | 41142  | 41147  | 41151  | 41154  | 41157  | 41485= |
| U 16A8   | 41160         | 41163  | 41167  | 41172  | 41195  | 41198  | 41203  | 41488= |
| U 16B0   | 41206         | 41211  | 41238  | 41241  | 41251  | 41255  | 32681= | 32684= |
| U 16B8   | 41258         | 41261  | 41264  | 41267  | 41270  | 41273  | 32788= | 32791= |
| U 16C0   | 41301         | 34316: | 41305  | 41308  | 41312  | 37683: | 32797= | 32800= |
| U 16C8   | 41315         | 41318  | 41420  | 41435  | 41438  | 41441  | 32803= | 32806= |
| U 16D0   | 41444         | 41449  | 41453  | 41456  | 41465  | 41499  | 32816= | 32819= |
| U 16D8   | 41502         |        |        |        |        |        | 32823= | 32826= |
| U 16E0   |               |        |        |        |        |        | 32884= | 32887= |
| U 16E8   |               |        |        |        |        |        | 32890= | 32893= |
| U 16F0   |               |        |        |        |        |        | 32914= | 32917= |
| U 16F8   |               |        |        |        |        |        | 33037= | 33043= |
| U 1700   |               |        |        |        |        |        | 33117= | 33122= |
| U 1708   |               |        |        |        |        |        | 33129= | 33135= |
| U 1710   | - 17FF Unused |        |        |        |        |        |        |        |
| U 1800   | 33394=        | 33398= | 33403= | 33406= | 33410= | 33414= | 33421= | 33428= |
| U 1808   | 41053=        | 36594= | 33356= | 33329  | 37749= | 37755= | 34990= | 34995= |
| U 1810   | 33504=        | 33507= | 33334  | 33435= | 33445= | 36937= | 33449= | 33460= |
| U 1818   | 41065=        | 36613= | 33365= | 36621= | 36751= | 36943= | 35000= | 35004= |
| U 1820   | 36247=        | 40962= | 34930= | 34935= | 36101= | 40535= | 33464= | 33469= |
| U 1828   | 41277=        | 35295= | 33306= | 35300= | 35418= | 33525  | 35423= | 35010= |
| U 1830   | 36253=        | 40973= | 36259= | 36266= | 33543  | 37105= | 33473= | 33478= |
| U 1838   | 33553         | 37055= | 33315= | 37059= | 36759= | 37111= | 33325= | 35015= |
| U 1840   | 37698=        | 33547= | 39567= | 39570= | 33555  | 33550= | 38791= | 38797= |
| U 1848   | 37783=        | 37787= | 37791= | 37795= | 40735= | 33558  | 35057= | 35061= |

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: P1W124.MCR 600,1204J  
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Fiche 6 Frame F10  
VAX11/780 Microcode : PCS 01, FPLA 0E, WCS124

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|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| U 1850   | 33570  | 37859= | 39573= | 37864= | 35512= | 33576  | 35518= | 38804= |
| U 1858   | 33850= | 33854= | 33580  | 37801= | 40743= | 40747= | 35070= | 35076= |
| U 1860   | 37703= | 37709= | 33593  | 34801= | 36106= | 40540= | 33337= | 34804= |
| U 1868   | 41281= | 41285= | 35992= | 35996= | 34332= | 34337= | 38668= | 35082= |
| U 1870   | 33804= | 33807= | 33812= | 33815= | 34344= | 34348= | 33350= | 38809= |
| U 1878   | 41071= | 41076= | 36815= | 36819= | 36768= | 36776= | 38671= | 35086= |
| U 1880   | 40668= | 40673= | 33596  | 36563= | 33600  | 33780= | 36008= | 36013= |
| U 1888   | 36792= | 34702= | 41094= | 34705= | 33788= | 33796= | 38758= | 38764= |
| U 1890   | 40679= | 33605  | 40690= | 36566= | 40694= | 33784= | 36218= | 36221= |
| U 1898   | 34616= | 34621= | 34626= | 34631= | 33792= | 33801= | 38772= | 38779= |
| U 18A0   | 41358= | 41362= | 41366= | 41377= | 41380= | 41385= | 37569= | 37573= |
| U 18A8   | 34894= | 34899= | 34903= | 34923= | 41493= | 33483= | 41496= | 33487= |
| U 18B0   | 34715= | 41389= | 34718= | 41395= | 33608  | 41398= | 37582= | 37585= |
| U 18B8   | 35456= | 35461= | 35466= | 35478= | 34547= | 34551= | 38784= | 33494= |
| U 18C0   | 40810= | 40815= | 33612  | 36361= | 40822= | 34223= | 37597= | 37601= |
| U 18C8   | 35828= | 35835= | 35842= | 35856= | 38359= | 41176= | 36578= | 41180= |
| U 18D0   | 35557= | 33616  | 35564= | 36364= | 33629  | 34228= | 35570= | 36367= |
| U 18D8   | 34571= | 34576= | 33634  | 36370= | 38362= | 38372= | 36588= | 38378= |
| U 18E0   | 38815= | 34831= | 38819= | 36399= | 34598= | 34602= | 38611= | 38616= |
| U 18E8   | 36799= | 36804= | 41100= | 41104= | 34852= | 41183= | 38389= | 41187= |
| U 18F0   | 38822= | 34835= | 40511= | 36402= | 36174= | 33639  | 36178= | 36405= |
| U 18F8   | 35047= | 35050= | 40516= | 36408= | 34856= | 33644  | 38392= | 38397= |
| U 1900   | 33648  | 35141= | 33371= | 35145= | 33375= | 33379= | 33384= | 33390= |
| U 1908   | 36061= | 41412= | 36064= | 36067= | 39897= | 39901= | 33653  | 39906= |
| U 1910   | 33869= | 33874= | 37829= | 37833= | 33881= | 33888= | 33891= | 33896= |
| U 1918   | 36121= | 36125= | 36128= | 36132= | 33657  | 33899= | 39915= | 33903= |
| U 1920   | 39799= | 35346= | 39804= | 34372= | 35212= | 35216= | 39808= | 34377= |
| U 1928   | 35165= | 41416= | 35171= | 34382= | 33674  | 34518= | 40217= | 34522= |
| U 1930   | 39815= | 35350= | 39819= | 36375= | 35249= | 35254= | 39825= | 36378= |
| U 1938   | 36330= | 36334= | 36348= | 33685  | 35308= | 35311= | 40221= | 40232= |
| U 1940   | 35323= | 35326= | 38032= | 38038= | 33695  | 39987= | 38041= | 39998= |
| U 1948   | 37066= | 37071= | 37083= | 40907= | 40935= | 40893= | 33725  | 40897= |
| U 1950   | 38685= | 38692= | 38697= | 38709= | 38716= | 41425= | 39977= | 39981= |
| U 1958   | 37159= | 37162= | 37174= | 40910= | 40942= | 33732  | 40952= | 40904= |
| U 1960   | 39288= | 39291= | 39297= | 39311= | 39314= | 40003= | 33909  | 40007= |
| U 1968   | 37212= | 37217= | 33912  | 37227= | 35389= | 36637= | 34359= | 34365= |
| U 1970   | 39591= | 39598= | 39605= | 39622= | 39629= | 41432= | 40364= | 40368= |
| U 1978   | 36083= | 36086= | 34394= | 34398= | 35393= | 36649= | 33916  | 34403= |
| U 1930   | 37292= | 37297= | 33920  | 37308= | 36092= | 36095= | 40377= | 40381= |
| U 1988   | 36141= | 36145= | 34418= | 34423= | 35579= | 36711= | 35582= | 34426= |
| U 1990   | 37428= | 33924  | 37435= | 37440= | 36186= | 36189= | 40399= | 40404= |
| U 1998   | 36200= | 36203= | 34433= | 34438= | 35651= | 36718= | 35658= | 34442= |
| U 19A0   | 37501= | 37507= | 37518= | 33927  | 36291= | 36295= | 40409= | 40412= |
| U 19A8   | 39831= | 33931  | 39836= | 34730= | 36441= | 36446= | 39841= | 34736= |
| U 19B0   | 40709= | 33936  | 38219= | 38223= | 40714= | 40719= | 33939  | 40730= |
| U 19B8   | 37759= | 37762= | 37766= | 37773= | 36535= | 36540= | 34743= | 34747= |
| U 19C0   | 39845= | 33944  | 39850= | 34754= | 36727= | 36733= | 39855= | 34760= |
| U 19C8   | 35698= | 37193= | 35704= | 34765= | 36847= | 36851= | 34780= | 34784= |
| U 19D0   | 37940= | 37945= | 37948= | 37953= | 33949  | 34807= | 40758= | 40761= |
| U 19D8   | 38168= | 37196= | 38173= | 38177= | 35867= | 34810= | 35877= | 34813= |
| U 19E0   | 39862= | 37281= | 39866= | 34966= | 36858= | 36862= | 39872= | 34972= |
| U 19E8   | 35883= | 33953  | 35889= | 34978= | 36906= | 36912= | 35023= | 35026= |
| U 19F0   | 39877= | 37285= | 39881= | 40989= | 36959= | 36966= | 39886= | 40993= |

ZZ-ESOAA-124.0 ;  
: P1W124.MCR 600.1204 ]  
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VAX11/780 Microcode : PCS 01, FPLA 0E, WCS124  
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|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| U 19F8    | 38266= | 38270= | 38280= | 33956  | 37133= | 37136= | 35029= | 35032= |
| U 1A00    | 39682= | 37003= | 39686= | 39690= | 39695= | 37007= | 39699= | 39702= |
| U 1A08    | 39707= | 33960  | 39711= | 39715= | 37272= | 37276= | 35100= | 35106= |
| U 1A10    | 39721= | 38243= | 39725= | 39728= | 39732= | 38246= | 39736= | 39740= |
| U 1A18    | 37377= | 37380= | 35185= | 35196= | 35909= | 33963  | 35916= | 35202= |
| U 1A20    | 39746= | 38674= | 39750= | 39754= | 39759= | 33967  | 39763= | 39767= |
| U 1A28    | 39773= | 33970  | 39777= | 39781= | 37385= | 37388= | 35315= | 35318= |
| U 1A30    | 39786= | 38679= | 39790= | 39794= | 37622= | 37625= | 35526= | 35533= |
| U 1A38    | 40308= | 40312= | 33976  | 40326= | 37654= | 37657= | 35540= | 35547= |
| U 1A40    | 40483= | 33980  | 40486= | 40489= | 37726= | 37730= | 35596= | 35604= |
| U 1A48    | 40633= | 33984  | 40636= | 40639= | 37979= | 37984= | 35612= | 35620= |
| U 1A50    | 41332= | 41335= | 41339= | 41344= | 37997= | 38002= | 41405= | 41408= |
| U 1A58    | 38124= | 38131= | 35628= | 35635= | 35931= | 34054  | 35937= | 35642= |
| U 1A60    | 41470= | 41473= | 41476= | 41480= | 38416= | 38421= | 35668= | 35676= |
| U 1A68    | 35944= | 35956= | 35950= | 35961= | 38435= | 38440= | 35684= | 35692= |
| U 1A70    | 35969= | 36224= | 35972= | 36227= | 38517= | 38521= | 35714= | 35722= |
| U 1A78    | 37344= | 37355= | 37347= | 37358= | 38913= | 38918= | 35730= | 35738= |
| U 1A80    | 38545= | 38853= | 38549= | 38858= | 39143= | 39147= | 35748= | 35756= |
| U 1A88    | 38872= | 39021= | 38878= | 39026= | 39198= | 39201= | 35764= | 35772= |
| U 1A90    | 39031= | 39049= | 39035= | 39053= | 39082= | 34062  | 39087= | 35794= |
| U 1A98    | 39094= | 39106= | 39100= | 39110= | 39220= | 39224= | 34070  | 35798= |
| U 1AA0    | 39256= | 34089  | 39358= | 39362= | 39367= | 39370= | 39546= | 36045= |
| U 1AA8    | 39376= | 39381= | 39386= | 39389= | 39435= | 34094  | 39443= | 36050= |
| U 1AB0    | 39260= | 39515= | 34120  | 39519= | 34187  | 36411= | 39550= | 34190  |
| U 1AB8    | 39665= | 40034= | 39669= | 40039= | 40048= | 36414= | 40052= | 36417= |
| U 1AC0    | 40086= | 40096= | 40500= | 36654= | 40091= | 40103= | 40505= | 36658= |
| U 1AC8    | 40121= | 34194  | 40125= | 36662= | 34212  | 36675= | 34232  | 36683= |
| U 1AD0    | 40440= | 40444= | 40545= | 40549= | 40582= | 40587= | 34320  | 36697= |
| U 1AD8    | 40603= | 41291= | 40621= | 40624= | 40611= | 41296= | 34327  | 36704= |
| U 1AE0    | 40627= | 40630= | 34339  | 36834= | 40646= | 40651= | 34353  | 36837= |
| U 1AE8    | 40701= | 40704= | 34408  | 36840= | 41244= | 41247= | 34411  | 36843= |
| U 1AF0    | 41505= | 41508= | 34491  | 34496  | 34500  | 34504  | 34511  | 36869= |
| U 1AF8    | 34525  | 34531  | 34538  | 34554  | 34560  | 34564  | 34580  | 36873= |
| U 1B00    | 34586  | 34591  | 34605  | 34609  | 34636  | 34641  | 34644  | 34649  |
| U 1B08    | 34654  | 34657  | 34662  | 34668  | 34722  | 34727  | 36876= | 36879= |
| U 1B10    | 34768  | 34773  | 34786  | 34790  | 34793  | 34825  | 35020  | 35035  |
| U 1B18    | 35038  | 35041  | 35044  | 35092  | 35110  | 36988= | 35114  | 36995= |
| U 1B20    | 35117  | 35120  | 35124  | 37120= | 35129  | 35134  | 35151  | 37124= |
| U 1B28    | 35157  | 35177  | 35207  | 37128= | 35227  | 37315= | 35231  | 37319= |
| U 1B30    | 35235  | 35240  | 35244  | 35257  | 35263  | 37139= | 35266  | 35271  |
| U 1B38    | 35289  | 35292  | 35304  | 35383  | 35483  | 37142= | 35487  | 37145= |
| U 1B40    | 35493  | 35499  | 35504  | 37247= | 35550  | 35586  | 35777  | 37250= |
| U 1B48    | 35782  | 35787  | 35801  | 37253= | 35821  | 35861  | 37605= | 37608= |
| U 1B50    | 35894  | 35898  | 35903  | 35923  | 35976  | 37257= | 35980  | 35986  |
| U 1B58    | 36000  | 36054  | 36057  | 36072  | 36078  | 37260= | 36089  | 37263= |
| U 1B60    | 36111  | 36115  | 36135  | 37391= | 36150  | 36154  | 36159  | 37394= |
| U 1B68    | 36163  | 36169  | 36181  | 37397= | 36193  | 36206  | 37633= | 37637= |
| U 1B70    | 36210  | 36231  | 36234  | 36237  | 36241  | 37401= | 36273  | 36280  |
| U 1B78    | 36284  | 36299  | 36303  | 36309  | 36316  | 37405= | 36320  | 37408= |
| U 1B80    | 36324  | 36352  | 36355  | 37550= | 36383  | 36386  | 36390  | 37555= |
| U 1B88    | 36394  | 36421  | 36425  | 37560= | 36430  | 37876= | 36436  | 37879= |
| U 1B90    | 36449  | 36452  | 36458  | 36490  | 36496  | 36499  | 36503  | 36507  |
| U 1B98    | 36511  | 36515  | 36521  | 36525  | 36544  | 36625  | 37958= | 37961= |

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|-----------|-------|-------|--------|--------|-------|-------|--------|--------|
| U 1BA0    | 36629 | 36652 | 36668  | 36689  | 36737 | 36743 | 36781  | 36785  |
| U 1BA8    | 36823 | 36830 | 36854  | 36866  | 36894 | 36897 | 37964= | 37967= |
| U 1BB0    | 36915 | 36925 | 36947  | 38018= | 36952 | 37012 | 37016  | 38022= |
| U 1BB8    | 37019 | 37022 | 37026  | 38025= | 37030 | 37086 | 38257= | 38261= |
| U 1BC0    | 37091 | 37096 | 37178  | 37186  | 37205 | 37232 | 37236  | 37239  |
| U 1BC8    | 37243 | 37266 | 38067= | 38070= | 37269 | 37325 | 37331  | 38073= |
| U 1BD0    | 37336 | 37340 | 37351  | 37361  | 37364 | 37368 | 37371  | 37374  |
| U 1BD8    | 37424 | 37446 | 38078= | 38081= | 37451 | 37454 | 37456  | 38087= |
| U 1BE0    | 37458 | 37460 | 37463  | 37522  | 37528 | 37590 | 37613  | 38449= |
| U 1BE8    | 37617 | 37640 | 37646  | 37649  | 37688 | 37692 | 37713  | 38454= |
| U 1BF0    | 37716 | 37720 | 37734  | 37737  | 37741 | 37776 | 37806  | 37810  |
| U 1BF8    | 37815 | 37818 | 37822  | 37837  | 37842 | 37846 | 38592= | 38596= |

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: P1W124.MCR 600,1204]  
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I 10

Location / Line Num 14-Jan-82      Fiche 6 Frame I10      Sequence 1155  
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MICRO2 1L(03)  
U-code Microword Summary

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U-code Microword Su14-Jan-82  
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Fiche 6 Frame J10

Sequence 1156

VAX11/780 Microcode : PCS 01, FPLA 0E, WCS124

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|           | PCS<br>0000-0FFF | WCS<br>1000-17FF | G&H<br>1800-1BFF | Words not<br>in bounds |
|-----------|------------------|------------------|------------------|------------------------|
| REV       | 0                | 0                | 0                | 0                      |
| DOC       | 0                | 0                | 0                | 0                      |
| DEFIN     | 0                | 0                | 0                | 0                      |
| MACRO     | 0                | 0                | 0                | 0                      |
| PATCH     | 2                | 454              | 0                | 0                      |
| FORKS     | 384              | 0                | 0                | 0                      |
| ARITH     | 145              | 0                | 0                | 0                      |
| INDEX     | 18               | 0                | 0                | 0                      |
| FLOAT     | 467              | 271              | 0                | 0                      |
| INIT2     | 24               | 0                | 0                | 0                      |
| ASPC      | 41               | 0                | 0                | 0                      |
| FIELD     | 74               | 0                | 0                | 0                      |
| CHAR      | 397              | 0                | 0                | 0                      |
| EDIT      | 243              | 0                | 0                | 0                      |
| DECMAL    | 912              | 0                | 0                | 0                      |
| RPPR      | 67               | 0                | 0                | 0                      |
| REI       | 49               | 0                | 0                | 0                      |
| QUEUE     | 25               | 109              | 0                | 0                      |
| PROBE     | 49               | 0                | 0                | 0                      |
| MOVPR     | 257              | 0                | 0                | 0                      |
| 11MODE    | 267              | 0                | 0                | 0                      |
| IE        | 137              | 1                | 0                | 0                      |
| MMFW      | 216              | 0                | 0                | 0                      |
| ERCODE    | 109              | 0                | 0                | 0                      |
| CNSL      | 69               | 1                | 0                | 0                      |
| CALCRC    | 3                | 67               | 0                | 0                      |
| FPA       | 0                | 320              | 0                | 0                      |
| GANDH     | 0                | 455              | 1024             | 0                      |
| Used      | 3955             | 1678             | 1024             | 0                      |
| Remaining | 141              | 370              | 0                |                        |

Total microwords used in memory U: 6657  
Total microwords remaining in memory U: 511  
Highest address used in memory U: 1BFF (hex)

K 10

ZZ-ESOAA-124.0 :  
: P1W124.MCR 600,1204]  
:

U-code Microword Su14-Jan-82  
MICRO2 1L(03) 14-Jan-82 15:30:16  
U-code Microword Summary

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VAX11/780 Microcode : PCS 01, FPLA 0E, WCS124

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ZZ-ESOAA-124.0 :  
: P1W124.MCR 600,1204]  
:

MICRO2 1L(03)  
Error Summary

Error Summary  
14-Jan-82 15:30:16

L 10  
14-Jan-82

VAX11/780 Microcode : PCS 01, FPLA 0E, WCS124

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Pass 1 warnings: 0 Pass 2 warnings: 0  
Pass 1 errors: 0 Pass 2 errors: 0



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