

ASSIGN M:CI,(FILE,LYNX,DUOCT)

METASYM CI,LO,CN

•SS R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15

•SS SR1,SR2,SR3,SR4,D1,D2,D3,D4,\$

•END

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|----------|--------------|--------------|----------|----------|----------|----------|----------|
| ABN | | | | | | | |
| ADDIDG | 384/M:SETDCB | 401/M:READ | | | | | |
| ADDR0M | 603/BE | 655-EQU | | | | | |
| ADDSEG | 597-EQU | 649/BCR | | | | | |
| AF | 820-EQU | 876/BE | 893/B | | | | |
| | 83/ERROR | 87/TEXT | 88/D0 | 89/D0 | 89/D0 | 89/D0 | 89/D0 |
| | 92/D0 | 93/SET | 94/SET | 94/SET | 95/SET | 95/SET | 107/DATA |
| | 109/DATA | | | | | | |
| AT0F | | | | | | | |
| | 243-DATA | 1130/CLM | | | | | |
| BA | | | | | | | |
| | 231/DATA | 231/DATA | 232/GEN | 233/DATA | 234/DATA | 234/DATA | 235/DATA |
| | 236/DATA | 237/DATA | 238/DATA | 238/DATA | 252/GEN | 253/GEN | 254/GEN |
| | 270/0RG | 333/MBS | 340/MBS | 1176/MBS | 1234/MBS | 1272/MBS | |
| BADTREE | | | | | | | |
| | 807/BCS | 811/BNE | 1309-BAL | | | | |
| BATCH | | | | | | | |
| | 1245/BCR | 1248-EQU | | | | | |
| BIASVALU | | | | | | | |
| | 57-EQU | 60/EQU | 292/LI | | | | |
| BLANKS | | | | | | | |
| | 245-TEXT | 297/LD | 333/MBS | 688/LW | 1176/MBS | 1234/MBS | 1272/MBS |
| BLDTBL | | | | | | | |
| | 1005/BAL | 1011/BAL | 1017/BAL | 1103-EQU | | | |
| BLDTBL1 | | | | | | | |
| | 1105-EQU | 1116/BCR | | | | | |
| BLDXIT | | | | | | | |
| | 1113/BNE | 1118-EQU | | | | | |
| BREF1 | | | | | | | |
| | 1089/BEZ | 1092-LI | | | | | |
| BTD | | | | | | | |
| | 401/M:READ | 1249/M:WRITE | | | | | |
| BUF | | | | | | | |

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|----------|-------------|--------------|----------|----------|----------|----------|----------|
| CALLSACT | 401/M:READ | 1249/M:WRITE | | | | | |
| CCBUFMBS | 776/BNEZ | 788/B | 794-EQU | | | | |
| CFACCT | 231-DATA | 334/LD | | | | | |
| CFILERR | 202-RES | 391/STM | | | | | |
| CFNAM | 197/DATA | 197/DATA | 400/LI | 1291-BAL | | | |
| CFPASS | 200-RES | 389/STM | | | | | |
| CHKCONT | 204-RES | 395/STM | 397/STS | | | | |
| CHKDELIM | 1203/BEZ | 1205/BCR | 1215-EQU | | | | |
| | 352-EQU | 650/B | 653/B | 716/BEZ | 735/B | 745/BNE | 748/BCS |
| | 752/B | | | | | | |
| CHKLMPW | 701/BCS | 705-EQU | | | | | |
| CHKBNFLG | 692/BNE | 707/BNE | 710/BCS | 714-EQU | | | |
| CHKPAREN | 777/B | 796-EQU | | | | | |
| CHKTREE | 374/BNEZ | 378-EQU | | | | | |
| CLSSI | 385-M:CLOSE | 410/CAL1 | | | | | |
| CONTINUE | 1221/BE | 1232-EQU | 1275/B | | | | |
| CURPBS | 183-RES | 348/LW | 1181/LW | 1185/SW | 1223/STW | 1238/STW | 1264/STW |
| | 1327/LW | | | | | | |
| DECCNVRT | 1076/BAL | 1090/BAL | 1143-EQU | | | | |
| DECERR | 1151/BCS | 1303-BAL | | | | | |

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|------------|-----------------|-----------------|-----------------|-------------------|---------|--------|--------|
| DFCTBL | 275-EQU | 1153/CVA | | | | | |
| DFLCHARS | 54-SET | 55/SET | 270/ORG | 271/DATA | | | |
| DELIMITERS | 53-SET | 54/SET | | | | | |
| DEVICE | 316/M:OPEN | | | | | | |
| DWZERO | 239-EQU | 300/LD | 301/LD | 302/LD | 458/LD | 637/LM | 954/LD |
| EFERR | 900/BNE | 1317-BAL | | | | | |
| ENDINITO | 184-EQU | 253/GEN | | | | | |
| ENDROMS | 646/BNE | 651-EQU | | | | | |
| ENDTREE | 871/B | 894-EQU | | | | | |
| EOFERR | 342/B 1050/B | 648/B 1060/B | 686/B 1115/B | 761/B 1285-BAL | 786/B | 822/B | 880/B |
| EOFHIT | 356/B | 370-EQU | 624/B | 633/B | 700/B | 709/B | 747/B |
| EOFXIT | 1183/BGE | 1193/B | 1226-EQU | | | | |
| ERRLIST | 1323/BE | 1326-EQU | | | | | |
| EVMSB | 238-DATA | 1026/LD | | | | | |
| EXALL | 464/BEZ | 470-EQU | | | | | |
| EXECVEH | 194-TEXTC | 238/DATA | 480/LM | | | | |
| EXIT | 552/BNEZ | 555/BNE | 569-EQU | | | | |
| EXITCC | 191-DATA | 1180/STCF | 1204/LC | 1214/STCF | 1229/LC | | |

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| EXTBL | | | | | | | |
| FCPALL | 220=RES | 466/LI | 1016/LI | | | | |
| FIELDDBUF | 550=M:FCP | 1334/CAL1 | | | | | |
| | 173=RES | 234/DATA | 237/DATA | 254/GEN | 344/LW | 601/LW | 627/LM |
| | 641/LM | 664/STW | 670/LW | 703/LM | 712/LM | 741/LM | 750/LM |
| | 764/LW | 809/LM | 1035/LM | 1048/LH | 1056/LH | 1064/LW | 1110/LM |
| | 1129/LB | 1148/LW | | | | | |
| FIELDMBS | | | | | | | |
| FIELDSIZ | 234=DATA | 1207/LD | | | | | |
| | 172=RES | 235/DATA | 236/DATA | 238/DATA | 598/LW | 665/MTW | 690/LW |
| | 793/STW | 908/LW | 1024/LW | 1044/CW | 1054/CW | 1062/CW | 1074/MTW |
| | 1088/MTW | 1124/LW | 1144/LW | 1178/STW | 1211/STW | 1274/STW | |
| FIND | | | | | | | |
| FOUND0PT | 909=EGU | 916/BDR | | | | | |
| GETACCT | 766/BE | 769=EGU | | | | | |
| GETEV | 617/BE | 622=EGU | | | | | |
| GETPASSWD | 469/B | 475=EGU | | | | | |
| GETR0MT | 634/BCR | 639=EGU | | | | | |
| GETSYSLB | 495/B | 505=EGU | | | | | |
| GETUNSAT | 448/BEZ | 452=EGU | | | | | |
| GETWR | 437/BEZ | 444=EGU | | | | | |
| GETR0M | 428/BEZ | 434=EGU | | | | | |
| HEXCNVRT | 914/BE | 918=EGU | | | | | |
| | 973/BAL | 980/BAL | 985/BAL | 991/BAL | 996/BAL | 1122=EGU | |

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| HEXERR | | | | | | | |
| HEXLOOP | 1133/BBL | 1301-BAL | | | | | |
| INBUF | 1127-EQU | 1140/BDR | | | | | |
| INBUFSIZ | 171-RES 401/M:READ | 231/DATA 406/LB | 233/DATA 1189/CB | 234/DATA 1249/M:WRITE | 252/GEN 1252/CB | 349/LB | |
| INITZER0 | 170-RES 1324/LW | 338/STW | 1182/CW | 1184/LW | 1220/CW | 1257/STW | 1265/STW |
| INIT1 | 176-EQU | 253/GEN | 253/GEN | | | | |
| INPLACE | 337-EQU | 416/B | | | | | |
| J:ACCN | 921/BE | 929-EQU | | | | | |
| J:CCBUF | 36/REF | 299/LM | 620/LM | 969/LM | | | |
| J:JIT | 34/REF | 231/DATA | 322/CB | | | | |
| J:PUF | 33/REF | 291/INT | 317/LC | 679/LC | 1244/LC | | |
| JOJ1ADD | 35/REF | 329/LB | | | | | |
| LASTENT | 946-EQU | 962/B | | | | | |
| LEVELERR | 190-RES | 818/STW | 831/LW* | 850/LW* | 868/MTW | 890/MTW | |
| LIBMODE | 897/BNE | 1315-BAL | | | | | |
| LLECH0 | 180-RES | 367/MTW | 593/MTW | | | | |
| LMN | 1249-M:WRITE | 1325/CAL1 | | | | | |
| LMNACCT | 193-RES | 531/STM | 557/LM | | | | |

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| LMNAME | 212-RES | 723/STM | | | | | |
| LMNERR | 210-RES | 721/STM | | | | | |
| LMNMBS | 692/BG | 1295-BAL | | | | | |
| LMNPASS | 236-DATA | 694/LD | | | | | |
| LBCCT | 214-RES | 727/STM | 729/STS | | | | |
| LBCCTWD | 44/DEF 538/LW | 49-EQU 541/LW | 50/EQU 543/M:FVP | 51/EQU | 284/M:GVP | 528/STW | 537/LW |
| LBCCTO | 78-SET | 95-SET | 95/SET | 289/LW | | | |
| | 50-EQU 315/STW 465/STH 503/STM 689/STW 965/LW 1039/STM | 236/DATA 429/STH 473/STM 506/STW 704/STM 976/STS 1057/STW | 290/STW 439/STH 477/CW 517/LH 713/STM 981/STH 1058/STH | 294/STM 447/AND 481/STM 522/STM 719/LM 987/STH 1066/STW | 307/STM 453/LW 485/STW 530/LM 738/INT 992/STH 1083/STS | 310/STM 456/MTW 491/STW 580/STM 743/MTW 999/STS 1097/STS | 312/STW 460/STM 499/LM 660/LW 772/STS 1020/STM |
| LYNX | 283-EQU | 1336/END | | | | | |
| LYNXPP | 39/DEF | 282-CSECT | | | | | |
| LYNX00 | 37/DEF | 167-CSECT | | | | | |
| LYNX01 | 38/DEF | 229-CSECT | | | | | |
| M:EI | 32/REF | 205/GEN | | | | | |
| M:LL | 31/REF | 1249/M:WRITE | | | | | |
| M:SI | 30/REF 413/LH | 195/GEN 1239/LH | 316/M:OPEN 1242/CS | 384/M:SETDCB 1322/CS | 385/M:CLOSE | 401/M:READ | 403/AND |

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| MAINLOOP | | | | | | | |
| MARKLAST | 347/BNE | 351/BE | 354-EQU | 362/BE | 364/BE | 368/B | 799/B |
| MAXFLDSIZ | 869/BAL | 892/BAL | 934-EQU | | | | |
| MAYBE | 56-EQU | 173/RES | 254/GEN | | | | |
| MESS | 781/BNEZ | 789-EQU | | | | | |
| MMDDYY | 1331/M:PRINT | 1333/M:PRINT | | | | | |
| MOREROMS | 1033/BNE | 1041-EQU | | | | | |
| MOVECC | 858/BE | 878-EQU | | | | | |
| MOVELOOP | 326/B | 331-EQU | | | | | |
| MOVER | 577-EQU | 583/BDR | | | | | |
| MOVERBMT | 432/BAL | 442/BAL | 451/BAL | 468/BAL | 494/BAL | 527/BAL | 572-EQU |
| MYNAME | 508/BNEZ | 516/BNE | 519/BAZ | 523-EQU | | | |
| NEWVLY | 192-RES | 345/STW | 553/LW | | | | |
| NEWSEG | 881/BCS | 885-EQU | | | | | |
| NOCNTIN | 860/BE | 891-EQU | | | | | |
| NOCORE | 1219/BNE | 1222-EQU | | | | | |
| NOEEXIT | 282/BCS | 536/BCS | 1283-BAL | | | | |
| NQEV | 1224-EQU | 1266/B | | | | | |
| NOLMN | 478/BAZ | 483-EQU | | | | | |

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| | 207/DATA | 207/DATA | 733-EQU | | | |
| NONBLANK | 1190/BNE | 1194-EQU | 1259/B | | | |
| NOPASSWD | 631/BNE | 635-EQU | | | | |
| NOROMS | 372/BEZ | 1289-BAL | | | | |
| NOSYSLIB | 455/BANZ | 462-EQU | | | | |
| NOTIDG | 604-EQU | 659/BNE | 667/B | | | |
| NOTOVER | 672/BNE | 676-EQU | | | | |
| NOTREE | 487/BEZ | 496-EQU | | | | |
| NOTREERR | 806/B | 1307-BAL | | | | |
| NUM | 88/D8 | 89/D8 | 89/D8 | 89/D8 | 89/D8 | 92/D8 |
| NUMERR | 1146/BG | 1305-BAL | | | | |
| NXTDELIM | 189-RES | 824/STW | 856/LW | 882/STW | | |
| OKA | 1131/BIL | 1135-EQU | | | | |
| ONEARG | 377/BE | 383-EQU | | | | |
| ONERR | 732/B | 1297-BAL | | | | |
| ONFLG | 186-DATA | 415/MTW | 674/STW | 681/MTW | 715/MTW | 1258/MTW |
| ONLINE | 318/BCS | 327-EQU | | | | |
| OPENCFIL | 393/BEZ | 398-EQU | | | | |
| OPENIT | 725/BEZ | 730-EQU | | | | |

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| OPENLM | | | | | | |
| OPENSI | 205-GEN | 731/CAL1 | | | | |
| OPERR | 195-GEN | 399/CAL1 | | | | |
| OPMASKS | 1283/BAL | 1289/BAL | 1291/BAL | 1297/BAL | 1307/BAL | 1317/BAL |
| OPNAMES | 41/DEF | 72-CSECT | 97/USECT | 103/USECT | 771/LD | |
| OPNXTFLD | 40/DEF | 70-CSECT | 86/USECT | 765/CW | | |
| OPSUBRS | 42/DEF | 74-CSECT | 106/USECT | 773/LB | | |
| OPTBI | 43/DEF | 76-CSECT | 108/USECT | 775/LW | 779/LW | |
| OPTCOUNT | 130/OPTION | 964-EQU | | | | |
| OPTERR | 79-SET | 84-SET | 84/SET | 763/LI | | |
| OPTERS | 768/B | 1299-BAL | | | | |
| OPTERT | 142/OPTION | 990-EQU | | | | |
| OPTEV | 141/OPTION | 984-EQU | | | | |
| OPTEX | 160/OPTION | 1023-EQU | | | | |
| OPTEXP | 159/OPTION | 1014-EQU | | | | |
| OPTION | 161/OPTION | 1031-EQU | | | | |
| OPTJO | 80-CNAME | | | | | |
| OPTJ1 | 118/OPTION | 944-EQU | | | | |
| OPTLB | 119/OPTION | 959-EQU | | | | |
| | | | | | | 1332-EQU |

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| OPT0B | 135/OPTION | 972-EQU | |
| OPT0R | 165/OPTION | 1087-EQU | |
| OPT0S | 164/OPTION | 1073-EQU | |
| OPT0SP | 163/OPTION | 1069-EQU | |
| OPTRD | 162/OPTION | 1095-EQU | |
| OPTSL | 157/OPTION | 1002-EQU | |
| OPTTSS | 155/OPTION | 995-EQU | |
| OPTWR | 140/OPTION | 979-EQU | |
| PARERR | 158/OPTION | 1008-EQU | |
| PATCH | 866/BLE | 1313-BAL | |
| PREPCHK | 47/DEF | 227-RES | |
| PREPOK | 596/BNEZ | 669-EQU | |
| PR0CFLDS | 675/B | 680/BCS | 682-EQU |
| PR0COPT | 357/BCR | 592-EQU | |
| PR0CTREE | 360/BE | 759-EQU | |
| PR0C1 | 380/BNEZ | 804-EQU | |
| PR0C2 | 774/BNEZ | 778-EQU | |
| PZDRQ | 784-EQU | 791/BE | |
| | 384/MISSETDCB | 386-LCI | |

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| RDDISP | | | | | | | |
| 59-EQU | 426/LI | | | | | | |
| READSI | 319/CAL1 | 401-M:READ | 1236/CAL1 | | | | |
| READTBL | 212-RES | 430/LI | 1004/LI | | | | |
| READ1 | 805/BAL | 1262-EQU | | | | | |
| REF1 | 1075/BEZ | 1072-LI | | | | | |
| ROMADD | 948-EQU | 970/B | | | | | |
| ROMFLAG | 181-RES | 595/MTW | 652/MTW | | | | |
| ROMINDX | 182-DATA | 892/LW | 905/SW | 931/MTW | | | |
| ROMLERR | 600/BG | 1293-BAL | | | | | |
| ROMMBS | 235-DATA | 611/LD | | | | | |
| ROMSETUP | 825/BAL | 823/BAL | 903-EQU | | | | |
| ROMSRCH | 237-DATA | 910/LD | | | | | |
| ROMT | 46/DEF | 52-EQU | 235/DATA | 237/DATA | 286/M:GVP | 287/M:GVP | 387/LM |
| | 514/STS | 521/LM | 525/LI | 545/M:FVP | 546/M:FVP | 608/STW | 629/STM |
| | 643/STM | 827/LM | 923/LM | 925/LM | 926/STM | 928/STM | 937/STS |
| | 951/AI | | | | | | |
| ROMTERR | 917/B | 1311-BAL | | | | | |
| S:NUMC | 55/SET | 83/ERROR | | | | | |
| S:UT | 54/SET | | | | | | |
| SAVACCT | 621/B | 622-EQU | | | | | |

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|----------|------------|--------------|----------|--------------|----------|----------|
| SAVEPASS | | | | | | |
| SAVEREGS | 63R/B | 642-EQU | | | | |
| | 169-RES | 573/STD | 581/AW | 582/AW | 584/B* | 717/STW |
| | 924/STM | 927/LM | 1042/STW | 1067/B* | 1104/STW | 1119/LW |
| | 1228/LM | 1270/STM | | | | 734/LW |
| SCANNER | | | | | | 1174/STM |
| | 341/BAL | 352/BAL | 355/BAL | 623/BAL | 632/BAL | 647/BAL |
| | 699/BAL | 70R/BAL | 746/BAL | 760/BAL | 785/BAL | 821/BAL |
| | 879/BAL | 1049/BAL | 1059/BAL | 1114/BAL | 1172-EQU | 685/BAL |
| SCANTREE | | | | | | 870/BAL |
| | 846/B | 855-EQU | 884/B | | | |
| SEGEND | | | | | | |
| | 863-EQU | 874/BE | | | | |
| SETFLINK | | | | | | |
| | 839/BLZ | 848-EQU | | | | |
| SETSIZ1 | | | | | | |
| | 405/BE | 409/BNE | 412-EQU | | | |
| SETSIZ2 | | | | | | |
| | 1243/BNE | 1247/B | 1256-EQU | | | |
| SEVLEV | | | | | | |
| | 58-EQU | 7R/SET | | | | |
| SIEOF | | | | | | |
| | 1235/LI | 1261-EQU | | | | |
| SIZE | | | | | | |
| | 401/MIREAD | 1249/MIWRITE | | | | |
| SKPBLNKS | | | | | | |
| | 1186-EQU | | | | | |
| SKPLOOP | | | | | | |
| | 1188-EQU | 1192/BDR | | | | |
| SPACEOUT | | | | | | |
| | 224-TEXTC | 132R/STB | 1330/STB | 1331/MIPRINT | | |
| STORCNT | | | | | | |
| | 1077/B | 1079-EQU | 1091/B | 1093/B | | |
| SYNERR | | | | | | |
| | 343/BCS | 364/BNE | 678/BNE | 684/BNE | 687/BCS | 762/BCS |
| | 787/BCS | 798/BNE | 823/BCS | 862/BNE | 872/BCR | 877/B |
| | | | | | | 783/BNE |
| | | | | | | 887/BNE |

| | 1037/BNE 1063/BNE | 1045/BNE 1117/B | 1047/BNE 1287-BAL | 1051/BCS | 1053/BNE | 1055/BNE | 1061/BCS ¹³ |
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| THISACCT | 618-EQU | 625/BCS | | | | | |
| TREEFLAG | 182-RES | 379/MTW | 486/MTW | 507/MTW | 1070/MTW | 1084/MTW | |
| TREET | 45/DEF 843/STS | 51-EQU 853/STS | 52/EQU | 285/MIGVP | 492/LI | 544/MIFVP | 836/STM |
| TSTACK | 60-EQU 867/PLW | 815/PSM 889/PSW | 816/LW 895/INT | 838/LW* | 844/STW* | 849/STW* | 864/INT |
| TTBSREGS | 232-GEN | 1195/LD | | | | | |
| TYBSTBL | 232/GEN | 264-EQU | 270/ORG | | | | |
| TXTs | 258-TEXT | 602/CW | | | | | |
| TXT:SYS | 248-TEXT | 457/LD | 947/LD | | | | |
| TXT:TREE | 249-TEXT | 810/CD | | | | | |
| TXTALL | 246-TEXT | 303/LD | 471/LD | | | | |
| TXTC:JO | 262-TEXTC | 945/LW | | | | | |
| TXTC:J1 | 263-TEXTC | 961/LM | | | | | |
| TXTNEVER | 250-TEXT | 1036/CD | | | | | |
| TXTNONE | 247-TEXT | 304/LD | 1018/LD | | | | |
| TXTON | 260-TEXT | 677/CW | | | | | |
| TXTOVER | 259-TEXT | 671/CW | | | | | |
| TXTRUN | | | | | | | |

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|-----------|------------|----------|----------|----------|----------|----------|----------|
| UNSAT | 261-TEXT | 554/CW | | | | | |
| | 594/BNEZ | 737-EQU | | | | | |
| UNSATTLBL | 215-EQU | 449/LI | 742/STM | 751/STM | | | |
| USRERR | 1285/BAL | 1287/BAL | 1293/BAL | 1295/BAL | 1299/BAL | 1301/BAL | 1303/BAL |
| | 1305/BAL | 1309/BAL | 1311/BAL | 1313/BAL | 1315/BAL | 1320-EQU | |
| WAIT | 401/M:READ | | | | | | |
| WRAPUP | 381/B | 411/B | 425-EQU | 901/B | | | |
| WRITETBL | 219-RES | 440/LI | 1010/LI | | | | |
| ZAPFLDBUF | 254-GEN | 1175/LW | 1271/LW | | | | |
| ZAPINBUF | 252-GEN | 332/LW | 1233/LW | | | | |
| ZAPINIT | 253-GEN | 339/LW | | | | | |
| ZERO | 240-DATA | 340/MBS | 501/LM | 829/LM | | | |
| OT89 | 244-DATA | 1132/CLM | | | | | |
| 3B | 256-GEN | 967/8R | | | | | |
| 3G | 257-GEN | 662/8R | | | | | |
| 3L | 255-GEN | 296/8R | | | | | |
| #DELIMS | 55-SET | 269/D8 | | | | | |
| #EXACCTS | 223-DATA | 463/LW | 1015/LI | | | | |
| #FIELDS | 179-RES | 375/LW | 1212/MTW | | | | |
| #OPTIONS | | | | | | | |

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| #READS | 177-RES | 373/MTW | 770/MTW | | | | | |
| #R8MS | 221-DATA | 427/LW | 1003/LI | | | | | |
| #SEGS | 178-RES | 371/MTW | 509/LW | 524/LW | 603/LW | 644/MTW | 899/CW | |
| | 904/LW | 949/LW | 952/MTW | | | | | |
| #WRITES | 187-DATA | 488/LW | 837/MTW | | | | | |
| | 222-DATA | 436/LW | 1009/LI | | | | | |


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*****
*
*                               L Y N X
*
*  A SCANNER WHICH ACCEPTS LINK-STYLE SYNTAX, BUILDS L0CCT,
*  ROM, AND TREF TABLES, AND CALLS THE OVERLAY LOADER.
*  MAY BE USED BOTH ONLINE AND BATCH.
*
*****

```

```

10
11      00000C01
12
13      00000000
14      00000001
15      00000002
16      00000003
17      00000004
18      00000005
19      00000006
20      00000007
21      00000008
22      00000009
23      0000000A
24      0000000B
25      0000000C
26      0000000D
27      0000000E
28      0000000F

```

```

*S*      SYSTEM  SIG7D
          SYSTEM  BPM
          PCC     0
R0       EQU     0
R1       EQU     1
R2       EQU     2
R3       EQU     3
R4       EQU     4
R5       EQU     5
R6       EQU     6
R7       EQU     7
SR1      EQU     8
SR2      EQU     9
SR3      EQU    10
SR4      EQU    11
D1       EQU    12
D2       EQU    13
D3       EQU    14
D4       EQU    15

```

```

30
31
32
33
34
35
36
          REF     MISI
          REF     MILL
          REF     MIEI
          REF     JIJIT
          REF     JICCBUF
          REF     JI:PUF
          REF     JIACCN

```

| | | |
|----|-----|----------|
| 37 | DEF | LYNX00 |
| 38 | DEF | LYNX01 |
| 39 | DEF | LYNXPP |
| 40 | DEF | 0PNAMES |
| 41 | DEF | 0PMASKS |
| 42 | DEF | 0PNXTFLD |
| 43 | DEF | 0PSUBRS |
| 44 | DEF | L0CCT |
| 45 | DEF | TREET |
| 46 | DEF | R0MT |
| 47 | DEF | PATCH |

| | | | | |
|----|----------|----------------|------------------|--------------------------------------|
| 49 | 0000B000 | L0CCT EQU | X'8000' | PAGE FOR INITIAL BUILDING OF L0CCT |
| 50 | 0000B001 | L0CCT0 EQU | L0CCT+1 | START OF ACTUAL L0CCT TABLE |
| 51 | 0000B200 | TREET EQU | L0CCT+X'200' | PAGE FOR BUILDING INITIAL TREE TABLE |
| 52 | 0000B400 | R0MT EQU | TREET+X'200' | PAGE FOR BUILDING INITIAL R0M TABLE |
| 53 | TEXT | DELIMITERS SET | C' () , = , ! | DELIMITERS IN XLOAD COMMAND |
| 54 | LIST | DELCHARS SET | S;UT(DELIMITERS) | |
| 55 | 00000007 | #DELIMS SET | S;NUMC(DELCHARS) | |
| 56 | 00000030 | MAXFLDSIZ EQU | 48 | MAXIMUM # OF CHARS IN CMD FIELD |
| 57 | 0000A000 | BIASVALU EQU | X'A000' | DEFAULT LOAD BIAS FOR CPV B00 |
| 58 | 00000004 | SEVLEV EQU | 4 | DEFAULT SEVERITY LEVEL FOR LOADER |
| 59 | 00000015 | RDDISP EQU | 21 | DISP TO VAR LENGTH PART OF L0CCT |
| 60 | 0000A000 | TSTACK EQU | BIASVALU | POINTER TO TSTACK IN XLOAD'S TCB |

```

62 *
63 *          OPTION  'OPTION NAME', BIT(S) IN LOCCT, SETTING(S) IF
64 *          OPTION FOUND, DEFAULT VALUE(S), (FLAG=1 IF
65 *          MANDATORY ARG., =0 IF NO ARG., =-1 IF OPTIONAL ARG.,
66 *          ADDRESS OF SPECIAL ACTION ROUTINE (IF ANY)
67 *
68 *          BUILDS ALL TABLES NECESSARY TO DRIVE OPTION PARSER
69 *
70 04 00000          BPNames  CSECT    1
71 04 00000          00000000  A      DATA    0
72 05 00000          BPMasks  CSECT    1
73 05 00000          00000000  A      DATA,8   0
74                                     00000000
74 06 00000          BPNXTFLD CSECT    1
75 06 00000          00          A      DATA,1   0
76 07 00000          BPSUBRS  CSECT    1
77 07 00000          00000000  A      DATA    0
78          000*0200          LOCCTWD SET    SEVLEV**16+X!200! SEVERITY LEV. + ASSIGNS READ
79          00000000          OPTCOUNT SET    0          WILL BE COUNT OF # OF POSSIBLE OPTIO
80          00000000          OPTION  CNAME
81                                     PRBC
82                                     LOCAL  HERE,I,MSK,VAL
83                                     ERROR,7,S:NUMC(AF(1))>4 'OPTION MUST BE < 4 CHARS.'
84 OPTCOUNT SET    OPTCOUNT+1
85 HERE      EQU      $
86          USECT    BPNames
87          TEXT    AF(1)          BUILD NAME TABLE
88          DB      NUM(AF(2))>0
89          DB      (NUM(AF(2))=NUM(AF(3)))&(NUM(AF(3))=NUM(AF(4)))
90 MSK       SET    0
91 VAL      SET    0
92 I        DB      NUM(AF(2))
93 MSK      SET    MSK|1**((31=AF(2,I))) BUILD MASK INTO LOCCTWD FOR OPTIO
94 VAL      SET    VAL|AF(3,I)**((31=AF(2,I))) AND CORRESP. BIT VALUES
95 LOCCTWD  SET    LOCCTWD|AF(4,I)**((31=AF(2,I))) BUILD INIT. WD1 OF LOCCT
96          FIN
97          USECT    BPMasks

```

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111

DATA VAL,MSK BUILD MASK,VAL TBL (FBR STS) 19
ELSE
ERROR,7,1 !#OF BITS AFFECTED BY OPTION NOT CONSISTANT!
FIN
ELSE
USECT 0PMASKS
DATA 0,0 SPACERS IF OPTION DOESNT SET BITS
FIN
USECT 0PNXTFLD
DATA,1 AF(5) FLAG WHETHER OR NOT ARG ASSOCIATED
USECT 0PSUBRS
DATA AF(6) TABLE OF PTRS TO SPECIAL ROUTINES
USECT HERE ...BACK TO WHERE WE CAME FROM
PEND

```

113
114
115
116 04 00001 D3404040 A
      05 00002 00000000 A
      05 00003 00000002 A
      06 00000 1 00 A
      07 00001 00000000 A
117 04 00002 D5D34040 A
      05 00004 00000002 A
      05 00005 00000002 A
      06 00000 2 00 A
      07 00002 00000000 A
118 04 00003 D1F04040 A
      05 00006 00000000 A
      05 00007 00000000 A
      06 00000 3 00 A
      07 00003 0000022B 0A
119 04 00004 D1F14040 A
      05 00008 00000000 A
      05 00009 00000000 A
      06 00001 00 A
      07 00004 00000236 0A
120 04 00005 D7F04040 A
      05 0000A 00000000 A
      05 0000B 00000000 A
      06 00001 1 00 A
      07 00005 00000000 A
121 04 00006 D7F14040 A
      05 0000C 00000000 A
      05 0000D 00000000 A
      06 00001 2 00 A
      07 00006 00000000 A
122 04 00007 C6C4D740 A
      05 0000E 00000000 A
      05 0000F 00000000 A
      06 00001 3 00 A
    
```

*
*
*

DEFINE ALL OPTION KEYWORDS FOR XLOAD

```

OPTION 'L',30,0,0
OPTION 'NL',30,1,0
OPTION 'J0',,,,,,OPTJ0
OPTION 'J1',,,,,,OPTJ1
OPTION 'P0'
OPTION 'P1'
OPTION 'FDP'
    
```

NBP

NBP

| | | | | | | | |
|-----|----|-------|----------|---|--------|--------------------|-------------------------------------|
| | 07 | 00007 | 00000000 | A | | | |
| 123 | 04 | 00008 | D5D74040 | A | OPTION | INP | NOP |
| | 05 | 00010 | 00000000 | A | | | |
| | 05 | 00011 | 00000000 | A | | | |
| | 06 | 00002 | 00 | A | | | |
| | 07 | 00008 | 00000000 | A | | | |
| 124 | 04 | 00009 | C4404040 | A | OPTION | ID | DISPLAY UNDEFINED SYMBOLS • DEFAULT |
| | 05 | 00012 | 00000000 | A | | | |
| | 05 | 00013 | 00000000 | A | | | |
| | 06 | 00002 | 1 00 | A | | | |
| | 07 | 00009 | 00000000 | A | | | |
| 125 | 04 | 0000A | D5C44040 | A | OPTION | IND | DON'T DISPLAY IEM • NOP |
| | 05 | 00014 | 00000000 | A | | | |
| | 05 | 00015 | 00000000 | A | | | |
| | 06 | 00002 | 2 00 | A | | | |
| | 07 | 0000A | 00000000 | A | | | |
| 126 | 04 | 0000B | C3404040 | A | OPTION | IC | DISPLAY DOUBLE DEFS • DEFAULT |
| | 05 | 00016 | 00000000 | A | | | |
| | 05 | 00017 | 00000000 | A | | | |
| | 06 | 00002 | 3 00 | A | | | |
| | 07 | 0000B | 00000000 | A | | | |
| 127 | 04 | 0000C | D5C34040 | A | OPTION | INC | DON'T • NOP |
| | 05 | 00018 | 00000000 | A | | | |
| | 05 | 00019 | 00000000 | A | | | |
| | 06 | 00003 | 00 | A | | | |
| | 07 | 0000C | 00000000 | A | | | |
| 128 | 04 | 0000D | C9404040 | A | OPTION | II',4,0,1 | INCLUDE ROM SYMBOL TABLES |
| | 05 | 0001A | 00000000 | A | | | |
| | 05 | 0001B | 08000000 | A | | | |
| | 06 | 00003 | 1 00 | A | | | |
| | 07 | 0000D | 00000000 | A | | | |
| 129 | 04 | 0000E | D5C94040 | A | OPTION | INI',4,1,1 | DON'T INCLUDE IEM |
| | 05 | 0001C | 08000000 | A | | | |
| | 05 | 0001D | 08000000 | A | | | |
| | 06 | 00003 | 2 00 | A | | | |
| | 07 | 0000E | 00000000 | A | | | |
| 130 | 04 | 0000F | C2C94040 | A | OPTION | IBI',20,1,0,,OPTBI | |

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| | | | | | | |
|-----|----|-------|----------|----|--------|--|
| | 05 | 0001E | 00000800 | A | | |
| | 05 | 0001F | 00000800 | A | | |
| | 06 | 00003 | 3 | 00 | | |
| | 07 | 0000F | 00000239 | 0A | | |
| 131 | 04 | 00010 | C7404040 | A | OPTION | 'G1',5,1,0 BUILD GLOBAL SYMBOL TABLE |
| | 05 | 00020 | 04000000 | A | | |
| | 05 | 00021 | 04000000 | A | | |
| | 06 | 00004 | 00 | A | | |
| | 07 | 00010 | 00000000 | A | | |
| 132 | 04 | 00011 | E2E24040 | A | OPTION | 'ISS',6,0,1 OUTPUT SIZE SUMMARY |
| | 05 | 00022 | 00000000 | A | | |
| | 05 | 00023 | 02000000 | A | | |
| | 06 | 00004 | 1 | 00 | | |
| | 07 | 00011 | 00000000 | A | | |
| 133 | 04 | 00012 | E3404040 | A | OPTION | 'IT',28,0,1 MAKE LMN A TFILE (NOT SAYING PERM) |
| | 05 | 00024 | 00000000 | A | | |
| | 05 | 00025 | 00000008 | A | | |
| | 06 | 00004 | 2 | 00 | | |
| | 07 | 00012 | 00000000 | A | | |
| 134 | 04 | 00013 | D3C9C240 | A | OPTION | 'LIB',(23,27),(0,1),(1,0) MAKE A LIBRARY LM |
| | 05 | 00026 | 00000010 | A | | |
| | 05 | 00027 | 00000110 | A | | |
| | 06 | 00004 | 3 | 00 | | |
| | 07 | 00013 | 00000000 | A | | |
| 135 | 04 | 00014 | D3C24040 | A | OPTION | 'LB',,,,1,OPTLB LOAD BIAS (LB,VALUE) |
| | 05 | 00028 | 00000000 | A | | |
| | 05 | 00029 | 00000000 | A | | |
| | 06 | 00005 | 01 | A | | |
| | 07 | 00014 | 0000023F | 0A | | |
| 136 | 04 | 00015 | C3D34040 | A | OPTION | 'CL',2,1,0 'CORELIB' |
| | 05 | 0002A | 20000000 | A | | |
| | 05 | 0002B | 20000000 | A | | |
| | 06 | 00005 | 1 | 00 | | |
| | 07 | 00015 | 00000000 | A | | |
| 137 | 04 | 00016 | C3F14040 | A | OPTION | 'C1',19,1,0 'CSEC1' |
| | 05 | 0002C | 00001000 | A | | |
| | 05 | 0002D | 00001000 | A | | |

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| | | | | | | | |
|-----|----|-------|---|----------|----|--------|--|
| | 06 | 00005 | 2 | 00 | A | | |
| | 07 | 00016 | | 00000000 | A | | |
| 138 | 04 | 00017 | | D4F1F040 | A | OPTION | 'M10',26,1,0 |
| | 05 | 0002E | | 00000020 | A | | |
| | 05 | 0002F | | 00000020 | A | | |
| | 06 | 00005 | 3 | 00 | A | | |
| | 07 | 00017 | | 00000000 | A | | |
| 139 | 04 | 00018 | | D4F1F0F0 | A | OPTION | 'M100',25,1,0 |
| | 05 | 00030 | | 00000040 | A | | |
| | 05 | 00031 | | 00000040 | A | | |
| | 06 | 00006 | | 00 | A | | |
| | 07 | 00018 | | 00000000 | A | | |
| 140 | 04 | 00019 | | E3E2E240 | A | OPTION | 'TSS',,,,,1,OPTTSS (TSS,SIZE) - SAME AS BIG LOADER |
| | 05 | 00032 | | 00000000 | A | | |
| | 05 | 00033 | | 00000000 | A | | |
| | 06 | 00006 | 1 | 01 | A | | |
| | 07 | 00019 | | 00000244 | 0A | | |
| 141 | 04 | 0001A | | C5D9E340 | A | OPTION | 'ERT',,,,,1,OPTERT 'ERTABLE' (ERT,SIZE) |
| | 05 | 00034 | | 00000000 | A | | |
| | 05 | 00035 | | 00000000 | A | | |
| | 06 | 00006 | 2 | 01 | A | | |
| | 07 | 0001A | | 00000247 | 0A | | |
| 142 | 04 | 0001B | | C5D9F240 | A | OPTION | 'ERS',,,,,1,OPTERS 'ERSTACK' (ERS,SIZE) |
| | 05 | 00036 | | 00000000 | A | | |
| | 05 | 00037 | | 00000000 | A | | |
| | 06 | 00006 | 3 | 01 | A | | |
| | 07 | 0001B | | 0000024B | 0A | | |
| 143 | 04 | 0001C | | D5E3C3C2 | A | OPTION | 'NTCB',18,1,0 'N0TCB' |
| | 05 | 00038 | | 00002000 | A | | |
| | 05 | 00039 | | 00002000 | A | | |
| | 06 | 00007 | | 00 | A | | |
| | 07 | 0001C | | 00000000 | A | | |
| 144 | 04 | 0001D | | C1404040 | A | OPTION | 'A',23,1,1 'ABS' |
| | 05 | 0003A | | 00000100 | A | | |
| | 05 | 0003B | | 00000100 | A | | |
| | 06 | 00007 | 1 | 00 | A | | |
| | 07 | 0001D | | 00000000 | A | | |

| | | | | | | | |
|-----|----|-------|----------|---|--------|---------------------------|-------|
| 145 | 04 | 0001E | D9404040 | A | BPTIEN | 'R',23,0,1 | 'REL' |
| | 05 | 0003C | 00000000 | A | | | |
| | 05 | 0003D | 00000100 | A | | | |
| | 06 | 00007 | 2 00 | A | | | |
| | 07 | 0001E | 00000000 | A | | | |
| 146 | 04 | 0001F | D4404040 | A | BPTIEN | 'M',11,1,0 | |
| | 05 | 0003E | 00100000 | A | | | |
| | 05 | 0003F | 00100000 | A | | | |
| | 06 | 00007 | 3 00 | A | | | |
| | 07 | 0001F | 00000000 | A | | | |
| 147 | 04 | 00020 | D4D54040 | A | BPTIEN | 'MN',11,1,0 | |
| | 05 | 00040 | 00100000 | A | | | |
| | 05 | 00041 | 00100000 | A | | | |
| | 06 | 00008 | 00 | A | | | |
| | 07 | 00020 | 00000000 | A | | | |
| 148 | 04 | 00021 | D4E54040 | A | BPTIEN | 'MV',10,1,0 | |
| | 05 | 00042 | 00200000 | A | | | |
| | 05 | 00043 | 00200000 | A | | | |
| | 06 | 00008 | 1 00 | A | | | |
| | 07 | 00021 | 00000000 | A | | | |
| 149 | 04 | 00022 | D4D5E540 | A | BPTIEN | 'MNV',(10,11),(1,1),(0,0) | |
| | 05 | 00044 | 00300000 | A | | | |
| | 05 | 00045 | 00300000 | A | | | |
| | 06 | 00008 | 2 00 | A | | | |
| | 07 | 00022 | 00000000 | A | | | |
| 150 | 04 | 00023 | D4D64040 | A | BPTIEN | 'M8',(9,11),(1,1),(0,0) | |
| | 05 | 00046 | 00500000 | A | | | |
| | 05 | 00047 | 00500000 | A | | | |
| | 06 | 00008 | 3 00 | A | | | |
| | 07 | 00023 | 00000000 | A | | | |
| 151 | 04 | 00024 | D9C4C5C6 | A | BPTIEN | 'RDEF',8,1,0 | |
| | 05 | 00048 | 00800000 | A | | | |
| | 05 | 00049 | 00800000 | A | | | |
| | 06 | 00009 | 00 | A | | | |
| | 07 | 00024 | 00000000 | A | | | |
| 152 | 04 | 00025 | D3C4C5C6 | A | BPTIEN | 'LDEF',16,1,0 | |
| | 05 | 0004A | 00008000 | A | | | |

| | | | | | | |
|-----|----|-------|----------|----|--------|--|
| | 05 | 0004B | 00008000 | A | | |
| | 06 | 00009 | 1 00 | A | | |
| | 07 | 00025 | 00000000 | A | | |
| 153 | 04 | 00026 | E4C4C5C6 | A | OPTION | 'UDEF',31,1,0 |
| | 05 | 0004C | 00000001 | A | | |
| | 05 | 0004D | 00000001 | A | | |
| | 06 | 00009 | 2 00 | A | | |
| | 07 | 00026 | 00000000 | A | | |
| 154 | 04 | 00027 | C4D9C5C6 | A | OPTION | 'DREF',7,1,0 |
| | 05 | 0004E | 01000000 | A | | |
| | 05 | 0004F | 01000000 | A | | |
| | 06 | 00009 | 3 00 | A | | |
| | 07 | 00027 | 00000000 | A | | |
| 155 | 04 | 00028 | E2D34040 | A | OPTION | 'SL',,,,1,OPTSL (SL,VALUE) == SAME AS LOADER |
| | 05 | 00050 | 00000000 | A | | |
| | 05 | 00051 | 00000000 | A | | |
| | 06 | 0000A | 01 | A | | |
| | 07 | 00028 | 000024E | 0A | | |
| 156 | 04 | 00029 | D7C14040 | A | OPTION | 'PA',17,1,0 MAKE A PAGED LM |
| | 05 | 00052 | 00004000 | A | | |
| | 05 | 00053 | 00004000 | A | | |
| | 06 | 0000A | 1 00 | A | | |
| | 07 | 00029 | 00000000 | A | | |
| 157 | 04 | 0002A | D9C44040 | A | OPTION | 'RD',,,,1,OPTRD READ ACCTS (RD,ACCT,...) |
| | 05 | 00054 | 00000000 | A | | |
| | 05 | 00055 | 00000000 | A | | |
| | 06 | 0000A | 2 01 | A | | |
| | 07 | 0002A | 0000253 | 0A | | |
| 158 | 04 | 0002B | E6D94040 | A | OPTION | 'WR',,,,1,OPTWR WRITE ACCTS (WR,ACCT,...) |
| | 05 | 00056 | 00000000 | A | | |
| | 05 | 00057 | 00000000 | A | | |
| | 06 | 0000A | 3 01 | A | | |
| | 07 | 0002B | 0000257 | 0A | | |
| 159 | 04 | 0002C | C5E74040 | A | OPTION | 'EX',3,1,0,1,OPTEX |
| | 05 | 00058 | 10000000 | A | | |
| | 05 | 00059 | 10000000 | A | | |
| | 06 | 0000B | 01 | A | | |

| | | | | | | |
|-----|----|-------|----------|----|--------|---|
| | 07 | 0002C | 0000025B | 0A | | |
| 160 | 04 | 0002D | C5E54040 | A | OPTION | 'EV',3,1,0,1,0PTEV |
| | 05 | 0005A | 10000000 | A | | |
| | 05 | 0005B | 10000000 | A | | |
| | 06 | 0000B | 1 | 01 | A | |
| | 07 | 0002D | 00000262 | 0A | | |
| 161 | 04 | 0002E | C5E7D740 | A | OPTION | 'EXP',,,,,,1,0PTEXP EXPIRE DATE |
| | 05 | 0005C | 00000000 | A | | |
| | 05 | 0005D | 00000000 | A | | |
| | 06 | 0000B | 2 | 01 | A | |
| | 07 | 0002E | 00000268 | 0A | | |
| 162 | 04 | 0002F | D6E2D740 | A | OPTION | 'OSP',,,,,,0PTOSP FORCE CSECTO INTO ROOT |
| | 05 | 0005E | 00000000 | A | | |
| | 05 | 0005F | 00000000 | A | | |
| | 06 | 0000B | 3 | 00 | A | |
| | 07 | 0002F | 0000029E | 0A | | |
| 163 | 04 | 00030 | D6E24040 | A | OPTION | 'OS',,,,,,0PTOS SEG MODE OVERLAID LM |
| | 05 | 00060 | 00000000 | A | | |
| | 05 | 00061 | 00000000 | A | | |
| | 06 | 0000C | | 00 | A | |
| | 07 | 00030 | 0000028B | 0A | | |
| 164 | 04 | 00031 | D6D94040 | A | OPTION | 'OR',29,1,0,-1,0PTOR REF MODE OVERLAID LM |
| | 05 | 00062 | 00000004 | A | | |
| | 05 | 00063 | 00000004 | A | | |
| | 06 | 0000C | 1 | FF | A | |
| | 07 | 00031 | 0000028D | 0A | | |
| 165 | 04 | 00032 | D6C24040 | A | OPTION | 'OB',1,1,0,-1,0PTOB BREF MODE OVERLAID LM |
| | 05 | 00064 | 40000000 | A | | |
| | 05 | 00065 | 40000000 | A | | |
| | 06 | 0000C | 2 | FF | A | |
| | 07 | 00032 | 00000298 | 0A | | |

| | | | | | | |
|-----|----|----------|--|-------|-----------|---|
| 167 | 08 | 00000 | LYNX00 | CSECT | 0 | |
| 168 | | | | BOUND | 8 | (JUST A REMINDER TO ANYONE...) |
| 169 | 08 | 00000 | SAVEREGS | RES | 16 | |
| 170 | 08 | 00010 | INBUFSIZ | RES | 1 | # CHARS IN INBUF |
| 171 | 08 | 00011 | INBUF | RES,1 | 140 | COMMAND INPUT BUFFER |
| 172 | 08 | 00034 | FIELDSIZ | RES | 1 | # CHARS IN FIELDBUF |
| 173 | 08 | 00035 | FIELDBUF | RES,1 | MAXFLDSIZ | BUFFER FOR INDIVIDUAL CMD FIELDS |
| 174 | | | | BOUND | 4 | |
| 175 | | | ***** DATA TO BE ZEROED BY INIT1 STARTS HERE ***** | | | |
| 176 | | 08 00041 | INITZERO | EQU | \$ | |
| 177 | 08 | 00041 | #OPTIONS | RES | 1 | # OF OPTIONS FOUND IN COMMAND |
| 178 | 08 | 00042 | #R0MS | RES | 1 | # OF ELEMENT FILES TO BE LOADED |
| 179 | 08 | 00043 | #FIELDS | RES | 1 | TOTAL # OF FIELDS IN COMMAND |
| 180 | 08 | 00044 | LIBMODE | RES | 1 | SET IF PROCESSING UNSAT ACCNTS |
| 181 | 08 | 00045 | R0MFLAG | RES | 1 | ZERO WHILE PROCESSING EF NAMES |
| 182 | 08 | 00046 | TREEFLAG | RES | 1 | SET IF !TREE CARD IS EXPECTED |
| 183 | 08 | 00047 | CURPOS | RES | 1 | CURRENT CHAR POS. IN INBUF |
| 184 | | 08 00048 | ENDINITO | EQU | \$ | |
| 185 | | | ***** END OF DATA TO BE ZEROED BY INIT1 ***** | | | |
| 186 | 08 | 00048 | 0U000000 | A | 0NFLG | DATA 0 SET IF !0N! PREPOSITION USED (BATCH) |
| 187 | 08 | 00049 | 0U000000 | A | #SEGS | DATA 0 # OF SEGMENTS TO PR0G. |
| 188 | 08 | 0004A | 0U000000 | A | R0MINDX | DATA 0 INDEX INTO R0MT WHILE BUILDING TREE |
| 189 | 08 | 0004B | | | NXTDELIM | RES 1 |
| 190 | 08 | 0004C | | | LASTENT | RES 1 |
| 191 | 08 | 0004D | 0U000000 | A | EXITCC | DATA 0 |
| 192 | 08 | 0004E | | | MYNAME | RES 1 |
| 193 | 08 | 0004F | | | LMN | RES 7 |
| 194 | 08 | 00056 | 05C6C5E3 | A | EXECVEH | TEXTC !FETCH ! DEFAULT EXECUTE VEHICLE IS !FETCH! |
| | 08 | 00057 | C3C84040 | A | | |
| | 08 | 00058 | 40404040 | A | | |
| 195 | 08 | 00059 | 14000000 | N | 0PENSI | GEN,8,24 X!14!,MISI |
| 196 | 08 | 0005A | C1000001 | A | | GEN,8,24 X!C1!,1 ERR,ABN,ACCESS, TYPE=FILE |
| 197 | 08 | 0005B | 0U000349 | 0A | | DATA CFILERR,CFILERR |
| | 08 | 0005C | 0U000349 | 0A | | |
| 198 | 08 | 0005D | 0U000001 | A | | DATA 1 MODE = IN |
| 199 | 08 | 0005E | 01000303 | A | | GEN,8,8,8,8 1,0,3,3 |
| 200 | 08 | 0005F | | | CFNAM | RES 3 |

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| | | | | | | | |
|-----|----|-------|----------|----|----------|-------------|-------------|
| 201 | 02 | 00062 | 02000202 | A | | GEN,8,8,8,8 | 2,0,2,2 |
| 202 | 02 | 00063 | | | CFACCT | RES | 2 |
| 203 | 02 | 00065 | 03010002 | A | | GEN,8,8,8,8 | 3,1,0,2 |
| 204 | 02 | 00066 | | | CFPASS | RES | 2 |
| 205 | 02 | 00068 | 14000000 | N | BPENLM | GEN,8,24 | X141,MIEI |
| 206 | 02 | 00069 | C1000001 | A | | GEN,8,24 | X1C1,1 |
| 207 | 02 | 0006A | 00000184 | 0A | | DATA | N0LMN,N0LMN |
| | 02 | 0006B | 00000184 | 0A | | | |
| 208 | 02 | 0006C | 00000001 | A | | DATA | 1 |
| 209 | 02 | 0006D | 01000303 | A | | GEN,8,8,8,8 | 1,0,3,3 |
| 210 | 02 | 0006E | | | LMNAME | RES | 3 |
| 211 | 02 | 00071 | 02000202 | A | | GEN,8,8,8,8 | 2,0,2,2 |
| 212 | 02 | 00072 | | | LMNACCT | RES | 2 |
| 213 | 02 | 00074 | 03010002 | A | | GEN,8,8,8,8 | 3,1,0,2 |
| 214 | 02 | 00075 | | | LMNPASS | RES | 2 |
| 215 | 02 | 00077 | | | UNSATTBL | EQU | 8 |
| 216 | 02 | 00077 | | | | D01 | 8*4 |
| 217 | 02 | 00077 | 00000000 | A | | DATA | 0 |
| | 02 | 00078 | 00000000 | A | | | |
| | 02 | 00079 | 00000000 | A | | | |
| | 02 | 0007A | 00000000 | A | | | |
| | 02 | 0007B | 00000000 | A | | | |
| | 02 | 0007C | 00000000 | A | | | |
| | 02 | 0007D | 00000000 | A | | | |
| | 02 | 0007E | 00000000 | A | | | |
| | 02 | 0007F | 00000000 | A | | | |
| | 02 | 00080 | 00000000 | A | | | |
| | 02 | 00081 | 00000000 | A | | | |
| | 02 | 00082 | 00000000 | A | | | |
| | 02 | 00083 | 00000000 | A | | | |
| | 02 | 00084 | 00000000 | A | | | |
| | 02 | 00085 | 00000000 | A | | | |
| | 02 | 00086 | 00000000 | A | | | |
| | 02 | 00087 | 00000000 | A | | | |
| | 02 | 00088 | 00000000 | A | | | |
| | 02 | 00089 | 00000000 | A | | | |
| | 02 | 0008A | 00000000 | A | | | |

ROOM FOR 8 UNSAT ACCOUNTS

0R 0008B 00000000 A
 0R 0008C 00000000 A
 0R 0008D 00000000 A
 0R 0008E 00000000 A
 0R 0008F 00000000 A
 0R 00090 00000000 A
 0R 00091 00000000 A
 0R 00092 00000000 A
 0R 00093 00000000 A
 0R 00094 00000000 A
 0R 00095 00000000 A
 0R 00096 00000000 A
 218 0R 00097
 219 0R 000A7
 220 0R 000B7
 221 0R 000C7 00000000 A
 222 0R 000C8 00000000 A
 223 0R 000C9 00000000 A
 224 0R 000CA 01404040 A
 225 0R 000CB
 226 0R 000CB 40404040 A
 0R 000CC 40404040 A
 0R 000CD 40404040 A
 0R 000CE 40404040 A
 0R 000CF 40404040 A
 0R 000D0 40404040 A
 0R 000D1 40404040 A
 0R 000D2 40404040 A
 0R 000D3 40404040 A
 0R 000D4 40404040 A
 0R 000D5 40404040 A
 0R 000D6 40404040 A
 0R 000D7 40404040 A
 0R 000D8 40404040 A
 0R 000D9 40404040 A
 0R 000DA 40404040 A
 0R 000DB 40404040 A

READTBL RES 16
 WRITETBL RES 16
 EXTBL RES 16
 #READS DATA 0
 #WRITES DATA 0
 #EXACCTS DATA 0
 SPACEOUT TEXTC ! !
 DB1 20
 TEXT ! !

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30

OR 000DC 40404040 A
OR 000DD 40404040 A
OR 000DE 40404040 A

227 OR 000DF

PATCH RES 50

HANDY THING TO HAVE AROUND

| | | | | | |
|-----|----------|-------------|-----------------------------------|----------|------------------------------------|
| 249 | 09 00021 | 40404040 A | | | |
| | 09 00022 | 7AE3D9C5 A | TXT;TREE | TEXT | !;TREE! |
| | 09 00023 | C5404040 A | | | |
| 250 | 09 00024 | D5C5F5C5 A | TXTNEVER | TEXT | !NEVER! |
| | 09 00025 | D9404040 A | | | |
| 251 | | | * END OF DOUBLEWORD BOUNDARY DATA | | |
| 252 | 09 00026 | 8C000044 08 | ZAPINBUF | GEN,8,24 | 140,BA(INBUF) |
| 253 | 09 00027 | 1C000104 08 | ZAPINIT | GEN,8,24 | 4*(ENDINITO=INITZER0),BA(INITZER0) |
| 254 | 09 00028 | 3U0000D4 08 | ZAPFLDBUF | GEN,8,24 | MAXFLDSIZ,BA(FIELDBUF) |
| 255 | 09 00029 | 030000D3 A | 3L | GEN,24,8 | X'030000',!L! |
| 256 | 09 0002A | 030000C2 A | 3B | GEN,24,8 | X'030000',!B! |
| 257 | 09 0002B | 030000C7 A | 3G | GEN,24,8 | X'030000',!G! |
| 258 | 09 0002C | 5B404040 A | TXT* | TEXT | !*! |
| 259 | 09 0002D | D6E5C5D9 A | TXT0VER | TEXT | !0VER! |
| 260 | 09 0002E | D6D54040 A | TXT0N | TEXT | !0N! |
| 261 | 09 0002F | D9E4D540 A | TXTRUN | TEXT | !RUN! |
| 262 | 09 00030 | 037AD1F0 A | TXTC;J0 | TEXTC | !;J0! |
| 263 | 09 00031 | 06D4D6D5 A | TXTC;J1 | TEXTC | !MONSTK! |
| | 09 00032 | E2E3D240 A | | | |
| 264 | 09 00033 | | TTBSTBL | EGU | * |
| 265 | 09 00033 | | | D01 | 64 |
| 266 | 09 00033 | 0U000000 A | | DATA | 0 |
| | 09 00034 | 0U000000 A | | | |
| | 09 00035 | 0U000000 A | | | |
| | 09 00036 | 0U000000 A | | | |
| | 09 00037 | 0U000000 A | | | |
| | 09 00038 | 0U000000 A | | | |
| | 09 00039 | 0U000000 A | | | |
| | 09 0003A | 0U000000 A | | | |
| | 09 0003B | 0U000000 A | | | |
| | 09 0003C | 0U000000 A | | | |
| | 09 0003D | 0U000000 A | | | |
| | 09 0003E | 0U000000 A | | | |
| | 09 0003F | 0U000000 A | | | |
| | 09 00040 | 0U000000 A | | | |
| | 09 00041 | 0U000000 A | | | |
| | 09 00042 | 0U000000 A | | | |

TTBS TABLE FOR SCANNER

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| | | | |
|----|-------|----------|---|
| 09 | 00043 | 00000000 | A |
| 09 | 00044 | 00000000 | A |
| 09 | 00045 | 00000000 | A |
| 09 | 00046 | 00000000 | A |
| 09 | 00047 | 00000000 | A |
| 09 | 00048 | 00000000 | A |
| 09 | 00049 | 00000000 | A |
| 09 | 0004A | 00000000 | A |
| 09 | 0004B | 00000000 | A |
| 09 | 0004C | 00000000 | A |
| 09 | 0004D | 00000000 | A |
| 09 | 0004E | 00000000 | A |
| 09 | 0004F | 00000000 | A |
| 09 | 00050 | 00000000 | A |
| 09 | 00051 | 00000000 | A |
| 09 | 00052 | 00000000 | A |
| 09 | 00053 | 00000000 | A |
| 09 | 00054 | 00000000 | A |
| 09 | 00055 | 00000000 | A |
| 09 | 00056 | 00000000 | A |
| 09 | 00057 | 00000000 | A |
| 09 | 00058 | 00000000 | A |
| 09 | 00059 | 00000000 | A |
| 09 | 0005A | 00000000 | A |
| 09 | 0005B | 00000000 | A |
| 09 | 0005C | 00000000 | A |
| 09 | 0005D | 00000000 | A |
| 09 | 0005E | 00000000 | A |
| 09 | 0005F | 00000000 | A |
| 09 | 00060 | 00000000 | A |
| 09 | 00061 | 00000000 | A |
| 09 | 00062 | 00000000 | A |
| 09 | 00063 | 00000000 | A |
| 09 | 00064 | 00000000 | A |
| 09 | 00065 | 00000000 | A |
| 09 | 00066 | 00000000 | A |
| 09 | 00067 | 00000000 | A |

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09 00068 00000000 A
 09 00069 00000000 A
 09 0006A 00000000 A
 09 0006B 00000000 A
 09 0006C 00000000 A
 09 0006D 00000000 A
 09 0006E 00000000 A
 09 0006F 00000000 A
 09 00070 00000000 A
 09 00071 00000000 A
 09 00072 00000000 A

267
 268 09 00073
 269 00000007
 270 09 00043
 09 00043
 271 09 00043 40 A
 272
 09 00045 3
 09 00045 3
 09 00045 3 40 A
 09 00046 1
 09 00046 1
 09 00046 1 40 A
 09 0004A 1
 09 0004A 1
 09 0004A 1 50 A
 09 0004A 2
 09 0004A 2
 09 0004A 2 50 A
 09 0004B
 09 0004B
 09 0004B 60 A
 09 0004D 3
 09 0004D 3
 09 0004D 3 60 A
 273 09 00073

HERE
 I
 LBCAL I, HERE
 EQU \$
 DB #DELIMS
 BRG,1 BA(TTBSTBL)+DELCHARS(I)
 DATA,1 DELCHARS(I)
 FIN
 BRG HERE

274
 275 09 00063
 276 09 00073 00001F40 A
 09 00074 00000FA0 A
 09 00075 000007D0 A
 09 00076 000003E8 A
 277 09 00077 00000320 A
 09 00078 00000190 A
 09 00079 000000C8 A
 09 0007A 00000064 A
 278 09 0007B 00000050 A
 09 0007C 00000028 A
 09 0007D 00000014 A
 09 0007E 0000000A A
 279 09 0007F 00000008 A
 09 00080 00000004 A
 09 00081 00000002 A
 09 00082 00000001 A

DECTBL LOCAL
 EQU
 DATA

s=16 CVA TABLE OF WHICH THE 1ST...
 8000,4000,2000,1000 ...16 WORDS WILL NEVER BE USED

DATA 800,400,200,100

DATA 80,40,20,10

DATA 8,4,2,1

| | | | | | | | |
|-----|----|-------|-----------|----|---------|--------------------|--|
| 314 | OA | 0001E | 25100008 | A | SLS,R1 | 8 | ALIGN TO TSS FIELD (DEFAULT VAL) |
| 315 | OA | 0001F | 3510B009 | A | STW,R1 | L0CCT0+8 | INITIAL TSS & UNSAT CNT |
| 316 | OA | 00020 | 04100004 | 03 | M10PEN | M:SI,(DEVICE,'SI') | IN CASE IT GOT PRE-ASSIGNED |
| | | 03 | 00004 | X | | | |
| | | 03 | 00005 | A | | | |
| | | 03 | 00006 | A | | | |
| 317 | OA | 00021 | 70200000 | X | LC | J;JIT | |
| 318 | OA | 00022 | 6980002B | | BCS,8 | 0NLIN | |
| 319 | OA | 00023 | 04100000 | 03 | CAL1,1 | READSI | READ JUNK IN CCBUF |
| 320 | OA | 00024 | 2270004F | A | LI,R7 | 79 | |
| 321 | OA | 00025 | 22800040 | A | LI,SR1 | X:40' | |
| 322 | OA | 00026 | 718E0000 | X | CB,SR1 | J:CCBUF,R7 | FIND LAST CHAR OF BATCH CMD STRING |
| 323 | OA | 00027 | 69300029 | | BNE | \$+2 | |
| 324 | OA | 00028 | 64700026 | | BDR,R7 | \$-2 | |
| 325 | OA | 00029 | 20700001 | A | AI,R7 | 1 | # OF CHARACTERS IN COMMAND |
| 326 | OA | 0002A | 6800002E | | B | M0VECC | |
| 327 | OA | 0002B | | | EQU | \$ | |
| 328 | OA | 0002B | 04100007 | 03 | M1PC | '>' | |
| | | 03 | 00007 | A | | | |
| 329 | OA | 0002C | 72700000 | X | LB,R7 | J:PUF | |
| 330 | OA | 0002D | 207FFFFFF | A | AI,R7 | =1 | DONIT CBUNT CR |
| 331 | OA | 0002E | | | EQU | \$ | |
| 332 | OA | 0002E | 32100026 | 09 | LW,R1 | ZAPINBUF | |
| 333 | OA | 0002F | 61000068 | 09 | MBS,R0 | BA(BLANKS) | CLEAR INPUT BUFFER |
| 334 | OA | 00030 | 12200000 | 09 | LD,R2 | CCBUFMB | |
| 335 | OA | 00031 | 75700003 | A | STB,R7 | R3 | |
| 336 | OA | 00032 | 61200000 | A | MBS,R2 | 0 | M0VE CCBUF TO INBUF |
| 337 | OA | 00033 | | | EQU | \$ | |
| 338 | OA | 00033 | 35700010 | 08 | STW,R7 | INBUFSIZ | |
| 339 | OA | 00034 | 32100027 | 09 | LW,R1 | ZAPINIT | |
| 340 | OA | 00035 | 61000038 | 09 | MBS,R0 | BA(ZERO) | ZERO INITIAL DATA, FLAGS, COUNTERS |
| 341 | OA | 00036 | 6AB002CD | | BAL,SR4 | SCANNER | GET 1ST FIELD (*XLOAD, LINK, RUN, ETC) |
| 342 | OA | 00037 | 6800032E | | B | E0FERR | THIS SHOULD BE IMPOSSIBLE |
| 343 | OA | 00038 | 69100337 | | BCS,1 | SYNERR | DIDNIT FIND A FIRST FIELD |
| 344 | OA | 00039 | 32100035 | 08 | LW,R1 | FIELDBUF | |
| 345 | OA | 0003A | 3510004E | 08 | STW,R1 | MYNAME | SAVE NAME USED TO ENTER XLOAD |
| 346 | OA | 0003B | 2180004B | A | CI,SR1 | '>' | SKIP OVER ANY FOLLOWING ACCOUNT |

| | | | | | | | |
|-----|----|-------|----------|----|--------------|----------|-------------------------------------|
| 347 | OA | 0003C | 69300043 | | BNE | MAINLOOP | |
| 348 | OA | 0003D | 32100047 | 08 | LW,R1 | CURPOS | |
| 349 | OA | 0003E | 72120011 | 08 | LB,R1 | INBUF,R1 | |
| 350 | OA | 0003F | 21100040 | A | CI,R1 | X'40' | |
| 351 | OA | 00040 | 68300043 | | BE | MAINLOOP | |
| 352 | OA | 00041 | 6A8002CD | | BAL,SR4 | SCANNER | |
| 353 | OA | 00042 | 02000000 | A | NOP | | |
| 354 | OA | 00043 | | | MAINLOOP EQU | * | WE'LL PASS THIS WAY A FEW TIMES |
| 355 | OA | 00043 | 6A8002CD | | BAL,SR4 | SCANNER | GET NEXT FIELD OR DELIMITER |
| 356 | OA | 00044 | 68000050 | | B | EOFHIT | END OF XLOAD COMMAND |
| 357 | OA | 00045 | 6810010A | | BCR,1 | PROCFLDS | GO PROCESS A FIELD |
| 358 | OA | 00046 | | | CHKDELIM EQU | * | |
| 359 | OA | 00046 | 2180004D | A | CI,SR1 | '(' | START OF AN OPTION |
| 360 | OA | 00047 | 68300195 | | BE | PROCOPT | YEP |
| 361 | OA | 00048 | 2180006B | A | CI,SR1 | ',' | SPURIOUS COMMA |
| 362 | OA | 00049 | 68300043 | | BE | MAINLOOP | YEP |
| 363 | OA | 0004A | 21800040 | A | CI,SR1 | X'40' | MIGHT BE SPURIOUS BLANK DUE TO... |
| 364 | OA | 0004B | 68300043 | | BE | MAINLOOP | ...ENTRY AT CHKDELIM FROM PROCFLD |
| 365 | OA | 0004C | 2180005E | A | CI,SR1 | ',' | |
| 366 | OA | 0004D | 69300337 | | BNE | SYNERR | YOU BLEW IT |
| 367 | OA | 0004E | 33100044 | 08 | MTW,1 | LIBMODE | GET SET TO READ UNSAT ACCOUNTS |
| 368 | OA | 0004F | 68000043 | | B | MAINLOOP | |
| 370 | OA | 00050 | | | EOFHIT EQU | * | (OR, WARE WE REALLY AT THE END...) |
| 371 | OA | 00050 | 33000042 | 08 | MTW,0 | #R0MS | WE BETTER HAVE SOMETHING TO LOAD |
| 372 | OA | 00051 | 6830033D | | BEZ | N0R0MS | ...OR ELSE |
| 373 | OA | 00052 | 33000041 | 08 | MTW,0 | #0PTIONS | HAVE WE PROCESSED ANY 0PTIONS |
| 374 | OA | 00053 | 69300057 | | BNEZ | CHKTREE | YES, SO CANIT BE COMMAND FILE |
| 375 | OA | 00054 | 32100043 | 08 | LW,R1 | #FIELDS | |
| 376 | OA | 00055 | 21100002 | A | CI,R1 | 2 | IF ONLY 2 FIELDS, MUST HAVE BEEN... |
| 377 | OA | 00056 | 6830005A | | BE | 0NEARG | ...XLOAD FID ... SO WHAT'S FID |
| 378 | OA | 00057 | | | CHKTREE EQU | * | |
| 379 | OA | 00057 | 33000046 | 08 | MTW,0 | TREEFLAG | IS A ;TREE CARD COMING UP |
| 380 | OA | 00058 | 693001B7 | | BNEZ | PROCTREE | YEP |
| 381 | OA | 00059 | 68000079 | | B | WRAPUP | WRAP THINGS UP & CALL THE LOADER |

| | | | | | | | |
|-----|----|-------|----------|--------|----------|------------------|--|
| 383 | OA | 0005A | | ONEARG | EQU | * | |
| 384 | OA | 0005A | 04100008 | 03 | M:SETDCB | M:SI,(ABN,PZDRQ) | |
| | 03 | 00008 | 06000000 | N | | | |
| | | | 40000000 | | | | |
| | 03 | 0000A | 0000005C | OA | | | |
| 385 | OA | 0005B | 04100008 | 03 | ,CLASSI | M:CLOSEF | M:SI |
| | 03 | 0000B | 16000000 | N | | | |
| | | | 00000000 | | | | |
| 386 | OA | 0005C | 02200070 | A | PZDRQ | LCI | 7 |
| 387 | OA | 0005D | 2A10B400 | A | | LM,R1 | R0MT |
| 388 | OA | 0005E | 02200030 | A | | LCI | 3 |
| 389 | OA | 0005F | 2B10005F | 08 | | STM,R1 | CFNAM |
| 390 | OA | 00060 | 02200020 | A | | LCI | 2 |
| 391 | OA | 00061 | 2B400063 | 08 | | STM,R4 | CFACCT |
| 392 | OA | 00062 | 20600000 | A | | AI,R6 | 0 |
| 393 | OA | 00063 | 6B300068 | | | BEZ | OPENCFIL |
| 394 | OA | 00064 | 02200020 | A | | LCI | 2 |
| 395 | OA | 00065 | 2B600066 | 08 | | STM,R6 | CFPASS |
| 396 | OA | 00066 | 22100200 | A | | LI,R1 | X102001 |
| 397 | OA | 00067 | 47100065 | 08 | | STS,R1 | CFPASS=1 |
| 398 | OA | 00068 | | | OPENCFIL | EQU | * |
| 399 | OA | 00068 | 04100059 | 08 | | CAL1,1 | OPENSI |
| 400 | OA | 00069 | 22100349 | | | LI,R1 | CFILERR |
| 401 | OA | 0006A | 0410000D | 03 | ,READSI | M:READ | M:SI,(BUF,INBUF),(SIZE,140),(BTD,0),(ABN,*R1),WAIT |
| | 03 | 0000D | 10000000 | N | | | |
| | | | 74000010 | | | | |
| | 03 | 0000F | 80000001 | A | | | |
| | 03 | 00010 | 00000011 | 08 | | | |
| | 03 | 00011 | 0000008C | A | | | |
| | 03 | 00012 | 00000000 | A | | | |
| 402 | OA | 0006B | 221000F0 | A | | LI,R1 | X1F01 |
| 403 | OA | 0006C | 4B100005 | N | | AND,R1 | M:SI+5 |
| 404 | OA | 0006D | 21100020 | A | | CI,R1 | X1201 |
| 405 | OA | 0006E | 6B300075 | | | BE | SETSIZ1 |
| 406 | OA | 0006F | 72100011 | 08 | | LB,R1 | INBUF |
| 407 | OA | 00070 | 4B1003E0 | | | AND,R1 | =X1F1 |

PICK UP 1ST ROM TABLE ENTRY
 SET UP TO OPEN THIS FILE TO SEE...
 ... IF ITS A ROM OR A COMMAND FILE

NO PASSWORD

OPEN THE FILE

GET FILE ORG.
 IS IT KEYED
 YES: MUST BE COMMAND FILE

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| | | | | |
|-----|----|----------|----------|----|
| 408 | OA | 00071 | 2110001C | A |
| 409 | OA | 00072 | 69300075 | |
| 410 | OA | 00073 | 0410000B | 03 |
| 411 | OA | 00074 | 68000079 | |
| 412 | | OA 00075 | | |
| 413 | OA | 00075 | 52700004 | N |
| 414 | OA | 00076 | 2570007F | A |
| 415 | OA | 00077 | 33100048 | 08 |
| 416 | OA | 00078 | 68000033 | |

SETSIZ1

| | |
|--------|---------|
| CI,R1 | X'1C' |
| BNE | SETSIZ1 |
| CAL1,1 | CLSSI |
| B | WRAPUP |
| EQU | S |
| LH,R7 | M;SI+4 |
| SLS,R7 | =1 |
| MTW,1 | ONFLG |
| B | INIT1 |

IS FILE A ROM
 NOPE
 YES: CLOSE IT
 AND GO CALL THE LOADER

MUST CHECK 'ON/OVER' IF FROM FILE

| | | | | | | |
|-----|----|-------|----------|--|-------------|------------------------------------|
| 418 | | | * | RESET NOT LAST FLAG FOR LAST ROM IN ROMT, | | |
| 419 | | | * | FIGURE #IS & MOVE READ, WRITE, & UNSAT ACCOUNTS | | |
| 420 | | | * | INTO LOCCT | | |
| 421 | | | * | MOVE ALL THESE TABLES CONTIGUOUSLY INTO COMMON MEMORY, | | |
| 422 | | | * | & CALL THE LOADER. | | |
| 423 | | | * | REMEMBER LMN IN 'LMN' | | |
| 424 | | | * | EXIT TO LMN IF ENTERED VIA 'RUN' COMMAND | | |
| 425 | OA | 00079 | WRAPUP | EQU | \$ | AND PREPARE TO EXIT TO LOADER |
| 426 | OA | 00079 | | LI,R1 | RDDISP | DISP. TO VAR. LENGTH PART OF LOCCT |
| 427 | OA | 0007A | | LW,R2 | #READS | # OF READ ACCOUNTS |
| 428 | OA | 0007B | | BEZ | GETWR | NONE |
| 429 | OA | 0007C | | STH,R2 | LOCCT0+9 | SAVE IN LOCCT |
| 430 | OA | 0007D | | LI,RO | READTBL | |
| 431 | OA | 0007E | | LI,SR3 | 2 | SIZE OF READTBL ENTRY |
| 432 | OA | 0007F | | BAL,SR4 | MOVER | MOVE READ ACCTS TO LOCCT |
| 433 | OA | 00080 | | B | \$+2 | |
| 434 | OA | 00081 | GETWR | EQU | \$ | |
| 435 | OA | 00081 | | AI,R1 | 2 | ALLOW FOR READ*ALL ENTRY |
| 436 | OA | 00082 | | LW,R2 | #WRITES | # OF WRITE ACCOUNTS |
| 437 | OA | 00083 | | BEZ | GETUNSAT | NONE |
| 438 | OA | 00084 | | LI,R3 | 1 | |
| 439 | OA | 00085 | | STH,R2 | LOCCT0+9,R3 | SAVE IN LOCCT |
| 440 | OA | 00086 | | LI,RO | WRITETBL | |
| 441 | OA | 00087 | | LI,SR3 | 2 | |
| 442 | OA | 00088 | | BAL,SR4 | MOVER | MOVE WRITE ACCOUNTS TO LOCCT |
| 443 | OA | 00089 | | B | \$+2 | |
| 444 | OA | 0008A | GETUNSAT | EQU | \$ | |
| 445 | OA | 0008A | | AI,R1 | 2 | ALLOW FOR WRITE*NONE ENTRY |
| 446 | OA | 0008B | | LI,R2 | XIFFFF1 | |
| 447 | OA | 0008C | | AND,R2 | LOCCT0+8 | GET # OF UNSAT ACCTS FROM LOCCT |
| 448 | OA | 0008D | | BEZ | GETSYSLB | NONE |
| 449 | OA | 0008E | | LI,RO | UNSATYBL | |
| 450 | OA | 0008F | | LI,SR3 | 4 | 4 WORDS PER UNSAT ENTRY |
| 451 | OA | 00090 | | BAL,SR4 | MOVER | MOVE 1EM TO LOCCT |
| 452 | OA | 00091 | GETSYSLB | EQU | \$ | |
| 453 | OA | 00091 | | LW,R3 | LOCCT0 | |
| 454 | OA | 00092 | | CI,R3 | 2 | TEST FOR NOSYSLIB FLAG |

| | | | | | | | |
|-----|----|-------|----------|----|----------|-------------|-------------------------------|
| 455 | OA | 00093 | 6940009A | | BANZ | NBSYSLIB | ITS SET... |
| 456 | OA | 00094 | 3310B009 | A | MTW,R1 | L0CCT0+8 | ADD SYS TO UNSAT ACCOUNTS |
| 457 | OA | 00095 | 12200020 | 09 | LD,R2 | TXT:SYS | |
| 458 | OA | 00096 | 1240000E | 09 | LD,R4 | DWZER0 | |
| 459 | OA | 00097 | 02200040 | A | LCI | + | |
| 460 | OA | 00098 | 2522B001 | A | STM,R2 | L0CCT0,R1 | MOVE INTO L0CCT |
| 461 | OA | 00099 | 20100004 | A | AI,R1 | + | |
| 462 | | OA | 0009A | | NBSYSLIB | EGU | |
| 463 | OA | 0009A | 322000C9 | 08 | LW,R2 | #EXACCTS | GET # OF EXECUTE ACCOUNTS |
| 464 | OA | 0009B | 683000A1 | | BEZ | EXALL | NONE...DEFAULT TO 'ALL' |
| 465 | OA | 0009C | 5520B006 | A | STM,R2 | L0CCT0+5 | PRESERVE COUNT IN L0CCT |
| 466 | OA | 0009D | 220000B7 | 08 | LI,R0 | EXTBL | |
| 467 | OA | 0009E | 22A00002 | A | LI,SR3 | 2 | # OF WORDS PER ENTRY |
| 468 | OA | 0009F | 6AB000FF | | BAL,SR4 | MOVER | MOVE TO L0CCT |
| 469 | OA | 000A0 | 680000A5 | | B | GETEV | AND GO GET EXECUTE VEHICLE |
| 470 | | OA | 000A1 | | EXALL | EGU | |
| 471 | OA | 000A1 | 12C0001C | 09 | LD,D1 | TXTALL | |
| 472 | OA | 000A2 | 02200020 | A | LCI | 2 | |
| 473 | OA | 000A3 | 25C2B001 | A | STM,D1 | L0CCT0,R1 | |
| 474 | OA | 000A4 | 20100002 | A | AI,R1 | 2 | |
| 475 | | OA | 000A5 | | GETEV | EGU | |
| 476 | OA | 000A5 | 32C003E1 | | LW,D1 | =1**28 | |
| 477 | OA | 000A6 | 31C0B001 | A | CW,D1 | L0CCT0 | WAS EXECUTE VEHICLE SPECIFIED |
| 478 | OA | 000A7 | 684000AC | | BAZ | N0EV | N0PE |
| 479 | OA | 000A8 | 02200030 | A | LCI | 3 | MOVE EXECUTE VEHICLE NAME |
| 480 | OA | 000A9 | 2AC00056 | 08 | LM,D1 | EXECVEH | ... INTO L0CCT |
| 481 | OA | 000AA | 25C2B001 | A | STM,D1 | L0CCT0,R1 | |
| 482 | OA | 000AB | 20100003 | A | AI,R1 | 3 | |
| 483 | | OA | 000AC | | N0EV | EGU | |
| 484 | OA | 000AC | 20100001 | A | AI,R1 | 1 | POINT TO START OF TREE TABLE |
| 485 | OA | 000AD | 3510B003 | A | STW,R1 | L0CCT0+2 | SAVE POINTER IN L0CCT |
| 486 | OA | 000AE | 33000046 | 08 | MTW,0 | TREEFLAG | IS THIS GUY OVERLAID |
| 487 | OA | 000AF | 683000B8 | | BEZ | N0TREE | N0 |
| 488 | OA | 000B0 | 32200049 | 08 | LW,R2 | #SEGS | # OF SEGMENTS |
| 489 | OA | 000B1 | 32300002 | A | LW,R3 | R2 | |
| 490 | OA | 000B2 | 2330000B | A | MI,R3 | 11 | GET TREE TABLE SIZE |
| 491 | OA | 000B3 | 3532B000 | A | STW,R3 | L0CCT0=1,R1 | SAVE IT IN L0CCT |

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| | | | | | | | |
|-----|----|-------|----------|----|----------|-------------|----------------------------------|
| 492 | OA | 000B4 | 2200B200 | A | LI,R0 | TREET | |
| 493 | OA | 000B5 | 22A0000B | A | LI,SR3 | 11 | EACH ENTRY IS 11 WORDS |
| 494 | OA | 000B6 | 6AB000FF | | BAL,SR4 | MOVER | MOVE TREET INTO LOCCT |
| 495 | OA | 000B7 | 680000C0 | | B | GETR0MT | |
| 496 | | OA | 000B8 | | NOTREE | EGU | * |
| 497 | OA | 000B8 | 2220000B | A | LI,R2 | 11 | TOTAL # OF WORDS IN TREET |
| 498 | OA | 000B9 | 02200030 | A | LCI | 3 | |
| 499 | OA | 000BA | 2A30B00B | A | LM,R3 | LOCCT0+10 | SEGNAME = LMN IF NOT OVERLAID |
| 500 | OA | 000BB | 02200080 | A | LCI | 8 | |
| 501 | OA | 000BC | 2A60000E | 09 | LM,R6 | ZER0 | |
| 502 | OA | 000BD | 022000C0 | A | LCI | 12 | |
| 503 | OA | 000BE | 2822B000 | A | STM,R2 | LOCCT0=1,R1 | MOVE TREE TABLE TO LOCCT |
| 504 | OA | 000BF | 2U10000B | A | AI,R1 | 11 | |
| 505 | | OA | 000C0 | | GETR0MT | EGU | * |
| 506 | OA | 000C0 | 3510B002 | A | STW,R1 | LOCCT0+1 | SAVE DISP TO R0MT IN LOCCT |
| 507 | OA | 000C1 | 33000046 | 08 | MTW,0 | TREEFLAG | DID 'PROCTREE' MARK LAST R0MS |
| 508 | OA | 000C2 | 693000D1 | | BNEZ | MOVER0MT | YES |
| 509 | OA | 000C3 | 32300042 | 08 | LW,R3 | #R0MS | |
| 510 | OA | 000C4 | 2U3FFFFF | A | AI,R3 | =1 | |
| 511 | OA | 000C5 | 23300007 | A | MI,R3 | 7 | |
| 512 | OA | 000C6 | 22400000 | A | LI,R4 | 0 | |
| 513 | OA | 000C7 | 22500040 | A | LI,R5 | X:40' | |
| 514 | OA | 000C8 | 4746B402 | A | STS,R4 | R0MT+2,R3 | MARK LAST R0M IN SEG |
| 515 | OA | 000C9 | 21300000 | A | CI,R3 | 0 | IS THERE ONLY ONE 'R0M'? |
| 516 | OA | 000CA | 693000D1 | | BNE | MOVER0MT | NO, MORE THAN ONE SPECIFIED. |
| 517 | OA | 000CB | 5230B001 | A | LM,R3 | LOCCT0 | GET LOCCT FLAGS |
| 518 | OA | 000CC | 21300040 | A | CI,R3 | X:40' | IS THIS A 'MAP ONLY'? |
| 519 | OA | 000CD | 684000D1 | | BAZ | MOVER0MT | NOPE |
| 520 | OA | 000CE | 02200070 | A | LCI | 7 | YEP! SO 'R0M' IS ACTUALLY 'LMN'! |
| 521 | OA | 000CF | 2A20B400 | A | LM,R2 | R0MT | ...SO MOVE ITS NAME INTO THE... |
| 522 | OA | 000D0 | 2820B00B | A | STM,R2 | LOCCT0+10 | ...LMN FIELD OF THE LOCCT. |
| 523 | | OA | 000D1 | | MOVER0MT | EGU | * |
| 524 | OA | 000D1 | 32200042 | 08 | LW,R2 | #R0MS | |
| 525 | OA | 000D2 | 2200B400 | A | LI,R0 | R0MT | |
| 526 | OA | 000D3 | 22A00007 | A | LI,SR3 | 7 | |
| 527 | OA | 000D4 | 6AB000FF | | BAL,SR4 | MOVER | MOVE R0M TABLE INTO LOCCT |
| 528 | OA | 000D5 | 3510B000 | A | STW,R1 | LOCCT | SAVE SIZE OF ALL TABLES |

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| | | | | | | | |
|-----|----|-------|----------|----|---------|----------------|-------------------------------|
| 529 | OA | 000D6 | 02200070 | A | LCI | 7 | |
| 530 | OA | 000D7 | 2A20B00B | A | LM,R2 | L0CCT0+10 | |
| 531 | OA | 000D8 | 2B20004F | 08 | STM,R2 | LMN | REMEMBER LMN |
| 532 | OA | 000D9 | 2U1001FF | A | AI,R1 | 511 | |
| 533 | OA | 000DA | 25100077 | A | SLS,R1 | =9 | # OF PAGES IN L0CCT TABLES |
| 534 | OA | 000DB | 491003E2 | A | BR,R1 | =X10C1**24 | MAKE AN MIGCP FPT |
| 535 | OA | 000DC | 04800001 | A | CAL1,8 | R1 | AND GET SOME COMMON PAGES |
| 536 | OA | 000DD | 69800324 | A | BCS,8 | N0C0RE | 0H=0H |
| 537 | OA | 000DE | 3210B000 | A | LW,R1 | L0CCT | COPY ENTIRE TABLE INTO COMMON |
| 538 | OA | 000DF | 3232B000 | A | LW,R3 | L0CCT,R1 | |
| 539 | OA | 000E0 | 85320009 | A | STW,R3 | *SR2,R1 | |
| 540 | OA | 000E1 | 641000DF | A | BDR,R1 | =2 | |
| 541 | OA | 000E2 | 3230B000 | A | LW,R3 | L0CCT | |
| 542 | OA | 000E3 | 85300009 | A | STW,R3 | *SR2 | |
| 543 | OA | 000E4 | 04800013 | 03 | MIFVP | L0CCT | |
| | 03 | 00013 | 0500B000 | A | | | |
| 544 | OA | 000E5 | 04800014 | 03 | MIFVP | TREET | FREE ALL DYNAMIC PAGES |
| | 03 | 00014 | 0500B200 | A | | | |
| 545 | OA | 000E6 | 04800015 | 03 | MIFVP | R0MT | |
| | 03 | 00015 | 0500B400 | A | | | |
| 546 | OA | 000E7 | 04800016 | 03 | MIFVP | R0MT+X1200' | |
| | 03 | 00016 | 0500B600 | A | | | |
| 547 | OA | 000E8 | 321003E3 | A | LW,R1 | =X1801**24 | SET FLAG IN L0CCT TO LET... |
| 548 | OA | 000E9 | C7100009 | A | STS,R1 | *SR2 | ...LOADER KNOW TO RETURN |
| 549 | OA | 000EA | 04800017 | 03 | MILINK | 'LOADER',':SYS | ' GO TO THE LOADER |
| | 03 | 00017 | 02000002 | A | | | |
| | 03 | 00018 | 06D3D6C1 | A | | | |
| | 03 | 00019 | C4C5D940 | A | | | |
| | 03 | 0001A | 7AE2F8E2 | A | | | |
| | 03 | 0001B | 40404040 | A | | | |
| 550 | OA | 000EB | 0480001C | 03 | ,FCPALL | MIFCP | 255 |
| | 03 | 0001C | 0D0000FF | A | | | |
| 551 | OA | 000EC | 20F00000 | A | AI,D4 | 0 | IF D4 NOT=0, THE LOAD WAS BAD |
| 552 | OA | 000ED | 693000FE | A | BNEZ | EXIT | SO JUST EXIT |
| 553 | OA | 000EE | 3210004E | 08 | LW,R1 | MYNAME | WERE WE ENTERED VIA 'RUN' |
| 554 | OA | 000EF | 3110002F | 09 | CW,R1 | TXTRUN | |
| 555 | OA | 000FO | 693000FE | A | BNE | EXIT | NO |

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556 OA 000F1 02200070 A
 557 OA 000F2 2A10004F 08
 558 OA 000F3 320003E4
 559 OA 000F4 20600000 A
 560 OA 000F5 653000F7
 561 OA 000F6 20000001 A
 562 OA 000F7 72C00001 A
 563 OA 000F8 20C00008 A
 564 OA 000F9 25C0007E A
 565 OA 000FA 02200040 A
 566 OA 000FB 2A800004 A
 567 OA 000FC A880000C A
 568 OA 000FD 04800000 A
 569 OA 000FE
 570 OA 000FE 04900001 A

LCI 7
 LM,R1 LMN
 LW,R0 =X'03000002'
 AI,R6 0
 BEZ \$+2
 AI,R0 1
 LB,D1 R1
 AI,D1 8
 SLS,D1 =2
 LCI 4
 LM,SR1 R4
 STM,SR1 *D1
 CAL,8 R0
 EQU *
 MEXIT

BUILD M;LDTRC FPT
 NO PASSWORD
 # OF WORDS IN NAME +1
 CALL LMN THAT WAS JUST LOADED
 THAT'S ALL FOLKS

EXIT

572 OA 000FF
 573 OA 000FF 15A0000A 08
 574 OA 00100 32F0000A A
 575 OA 00101 25F0027C A
 576 OA 00102 22300000 A
 577 OA 00103
 578 OA 00103 7020000F A
 579 OA 00104 AA460000 A
 580 OA 00105 2542B001 A
 581 OA 00106 3010000A 08
 582 OA 00107 3030000A 08
 583 OA 00108 64200103
 584 OA 00109 E800000B 08

MOVER

MOVELOOP

EQU *
 STD,SR3 SAVEREGS+SR3
 LW,D4 SR3
 SCS,D4 =4
 LI,R3 0
 EQU *
 LC D4
 LM,R4 *R0,R3
 STM,R4 L0CCT0,R1
 AW,R1 SAVEREGS+SR3
 AW,R3 SAVEREGS+SR3
 BDR,R2 MOVELOOP
 B *SAVEREGS+SR4

(THE BIGGEST CHUNK MOVER CAN...
 ...HANDLE IS 11 WORDS)

```

586
587
588
589
590
591
592      OA 0010A
593  OA 0010A 33000044 08
594  OA 0010B 69300186
595  OA 0010C 33000045 08
596  OA 0010D 6930014A
597      OA 0010E
598  OA 0010E 32200034 08
599  OA 0010F 21200008 A
600  OA 00110 69200353
601  OA 00111 32100035 08
602  OA 00112 3110002C 09
603  OA 00113 6830013E
604      OA 00114
605  OA 00114 32100042 08
606  OA 00115 23100007 A
607  OA 00116 22300040 A
608  OA 00117 3532B402 A
609  OA 00118 32300001 A
610  OA 00119 25300002 A
611  OA 0011A 12400006 09
612  OA 0011B 30500003 A
613  OA 0011C 20200001 A
614  OA 0011D 75200005 A
615  OA 0011E 61400000 A
616  OA 0011F 2180004B A
617  OA 00120 68300124
618      OA 00121
619  OA 00121 02200020 A
620  OA 00122 2A200000 X
621  OA 00123 68000129
622      OA 00124
    
```

```

*
*   FIELD PROCESSOR:  HANDLES E.F. LISTS,
*                       ON/OVER PREPOSITIONS,
*                       LOAD MODULE NAME,
*                       AND UNSAT ACCOUNTS.
*
PRCFLDS EQU *
      MTW,0  LIBMODE
      BNEZ   UNSAT
      MTW,0  R0MFLAG
      BNEZ   PREPCHK
      ADDR0M EQU *
      LW,R2  FIELDSIZ
      CI,R2  8
      BG     R0MLERR
      LW,R1  FIELDBUF
      CW,R1  TXT#
      BE     ADDIDG
      NOTIDG EQU *
      LW,R1  #R0MS
      MI,R1  7
      LI,R3  X'40'
      STW,R3 R0MT+2,R1
      LW,R3  R1
      SLS,R3 2
      LD,R4  R0MMBS
      AW,R5  R3
      AI,R2  1
      STB,R2 R5
      MBS,R4 0
      CI,SR1 '!'
      BE     GETACCT
      THISACCT EQU *
      LCI   2
      LM,R2 J;ACCN
      B     SAVACCT
      GETACCT EQU *
    
```

```

PROCESS FIELDS IN XLOAD COMMAND
ARE WE SCANNING UNSAT ACCNTS
YES
ARE WE SCANNING R0M NAMES
NO - LOOK FOR ON OR OVER
LENGTH OF PROSPECTIVE R0M NAME
R0M NAME TOO LONG
CHECK FOR '!' AS R0M NAME
* * SYSID G FILE
# OF R0MS IN R0M TABLE
DISP TO NEXT FREE R0MT ENTRY
SET 'NOT LAST' BIT IN EACH ENTRY
CNVRT TO BYTE DISP.
MOVE R0M NAME AS TEXTC INTO R0MT
IS ACCOUNT FOLLOWING
MAYBE
    
```

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| | | | | | | | |
|-----|----|-------|----------|----|-----------|-----------|------------------------------|
| 623 | OA | 00124 | 6AB002CD | | BAL,SR4 | SCANNER | |
| 624 | OA | 00125 | 68000050 | | B | EOFHIT | |
| 625 | OA | 00126 | 69100121 | | BCS,1 | THISACCT | DOUBLE !,! * THIS ACCOUNT |
| 626 | OA | 00127 | 02200020 | A | LCI | 2 | |
| 627 | OA | 00128 | 2A200035 | 08 | LM,R2 | FIELDBUF | |
| 628 | | OA | 00129 | | SAVACCT | EQU | * |
| 629 | OA | 00129 | 2822B403 | A | STM,R2 | R0MT+3,R1 | SAVE ROM ACCOUNT |
| 630 | OA | 0012A | 2180004B | A | CI,SR1 | !,! | PASSWORD MAYBE |
| 631 | OA | 0012B | 6930012F | | BNE | N0PASSWD | N0 |
| 632 | OA | 0012C | 6AB002CD | | BAL,SR4 | SCANNER | |
| 633 | OA | 0012D | 68000050 | | B | EOFHIT | |
| 634 | OA | 0012E | 68100132 | | BCR,1 | GETPASSWD | GET A FIELD FOR THE PASSWORD |
| 635 | | OA | 0012F | | N0PASSWD | EQU | * |
| 636 | OA | 0012F | 02200020 | A | LCI | 2 | |
| 637 | OA | 00130 | 2A20000E | 09 | LM,R2 | DWZER0 | DEFAULT PASSWD = 0,0 |
| 638 | OA | 00131 | 68000134 | | B | SAVEPASS | |
| 639 | | OA | 00132 | | GETPASSWD | EQU | * |
| 640 | OA | 00132 | 02200020 | A | LCI | 2 | |
| 641 | OA | 00133 | 2A200035 | 08 | LM,R2 | FIELDBUF | |
| 642 | | OA | 00134 | | SAVEPASS | EQU | * |
| 643 | OA | 00134 | 2822B405 | A | STM,R2 | R0MT+5,R1 | SAVE ROM PASSWORD |
| 644 | OA | 00135 | 33100042 | 08 | MTW,1 | #R0MS | BUMP COUNT OF R0MT ENTRIES |
| 645 | OA | 00136 | 2180006B | A | CI,SR1 | !,! | NEXT DELIM A COMMA |
| 646 | OA | 00137 | 6930013C | | BNE | ENDR0MS | NOPE! NO MORE R0MS FOLLOWING |
| 647 | OA | 00138 | 6AB002CD | | BAL,SR4 | SCANNER | |
| 648 | OA | 00139 | 6800032E | | B | EOFERR | |
| 649 | OA | 0013A | 6810010E | | BCR,1 | ADDR0M | GO PROCESS NEXT R0M NAME |
| 650 | OA | 0013B | 68000046 | | B | CHKDELIM | FOUND ANOTHER DELIMITER |
| 651 | | OA | 0013C | | ENDR0MS | EQU | * |
| 652 | OA | 0013C | 33100045 | 08 | MTW,1 | R0MFLAG | DONE READING R0M NAMES |
| 653 | OA | 0013D | 68000046 | | B | CHKDELIM | |
| 655 | | OA | 0013E | | ADDIDG | EQU | * |
| 656 | OA | 0013E | 21800040 | A | CI,SR1 | X!40! | |
| 657 | OA | 0013F | 68300142 | | BE | *+3 | A BLANK.... |
| 658 | OA | 00140 | 2180006B | A | CI,SR1 | !,! | ... OR A COMMA ... |

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659 OA 00141 69300114
 660 OA 00142 3210B004 A
 661 OA 00143 25100008 A
 662 OA 00144 4910002B 09
 663 OA 00145 25100008 A
 664 OA 00146 35100035 08
 665 OA 00147 33200034 08
 666 OA 00148 22200003 A
 667 OA 00149 68000114

BNE NOTIDG
 LW,R1 LOCCTO*3
 SLS,R1 8
 BR,R1 3G
 SLS,R1 8
 STW,R1 FIELDBUF
 MTW,2 FIELDSIZ
 LI,R2 3
 B NOTIDG

... MUST FOLLOW '9'
 GET SYSID FROM LOCCT
 BUILD SYSID G FILE NAME

669 OA 0014A
 670 OA 0014A 32200035 08
 671 OA 0014B 3120002D 09
 672 OA 0014C 69300150
 673 OA 0014D 22100000 A
 674 OA 0014E 35100048 08
 675 OA 0014F 68000155
 676 OA 0015U
 677 OA 00150 3120002E 09
 678 OA 00151 69300337
 679 OA 00152 70200000 X
 680 OA 00153 69800155
 681 OA 00154 33100048 08
 682 OA 00155
 683 OA 00155 21800040 A
 684 OA 00156 69300337
 685 OA 00157 6AB002CD
 686 OA 00158 6800032E
 687 OA 00159 69100337
 688 OA 0015A 3210001A 09
 689 OA 0015B 3510B00B A
 690 OA 0015C 32100034 08
 691 OA 0015D 2110000B A
 692 OA 0015E 6920035D
 693 OA 0015F 20100001 A
 694 OA 00160 12200008 09

PREPCHK EQU \$
 LW,R2 FIELDBUF
 CW,R2 TXTOVER
 BNE NOTOVER
 LI,R1 0
 STW,R1 ONFLG
 B PREP0K
 NOTOVER EQU \$
 CW,R2 TXT0N
 BNE SYNERR
 LC JIJIT
 BCS,8 PREP0K
 MTW,1 ONFLG
 PREP0K EQU \$
 CI,SR1 X'40'
 BNE SYNERR
 BAL,SR4 SCANNER
 B EOFERR
 BCS,1 SYNERR
 LW,R1 BLANKS
 STW,R1 LOCCTO*10
 LW,R1 FIELDSIZ
 CI,R1 11
 BG LMNERR
 AI,R1 1
 LD,R2 LMNMBS

RESET ONFLG IN CASE CONTINUATION
 ...CAUSED IT TO BE SET

WHAT WAS THAT, ANYHOW
 IF WE'RE ONLINE, THEN TEL...
 ...HAS ALREADY DONE ON/OVER TEST
 SET FOR LATER TEST OPEN OF LMN

WAS BLANK THE DELIMITER
 NO, SO I DON'T UNDER STAND YOU

SHOULDNIT BE ANOTHER DELIMITER
 ZAP OUT ENTIRE ACCNT FIELD

IS LMN NAME TOO LONG
 INDEED IT IS
 ADD ONE FOR COUNT BYTE

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695 OA 00161 79100003 A
 696 OA 00162 61200000 A
 697 OA 00163 2180004B A
 698 OA 00164 69300173
 699 OA 00165 6AB002CD
 700 OA 00166 68000050
 701 OA 00167 6910016B
 702 OA 00168 02200020 A
 703 OA 00169 2A200035 08
 704 OA 0016A 2B20B00E A
 705 CA 0016B
 706 OA 0016B 2180004B A
 707 OA 0016C 69300173
 708 OA 0016D 6AB002CD
 709 OA 0016E 68000050
 710 OA 0016F 69100173
 711 OA 00170 02200020 A
 712 OA 00171 2A200035 08
 713 OA 00172 2B20B010 A
 714 OA 00173
 715 OA 00173 39000048 08
 716 OA 00174 68300046
 717 OA 00175 35800000 08
 718 OA 00176 02200070 A
 719 OA 00177 2A10B00B A
 720 OA 00178 02200030 A
 721 OA 00179 2B10006E 08
 722 CA 0017A 02200020 A
 723 OA 0017B 2B400072 08
 724 OA 0017C 20600000 A
 725 OA 0017D 68300182
 726 OA 0017E 02200020 A
 727 OA 0017F 2B600075 08
 728 OA 00180 22100200 A
 729 OA 00181 47100074 08
 730 CA 00182
 731 OA 00182 04100068 08

STB,R1 R3
 MBS,R2 0
 CI,SR1 1.1
 BNE CHKONFLG
 BAL,SR4 SCANNER
 B EBFHIT
 BCS,1 CHKLMPW
 LCI 2
 LM,R2 FIELDBUF
 STM,R2 LBCCTO+13
 CHKLMPW EQU *
 CI,SR1 1.1
 BNE CHKONFLG
 BAL,SR4 SCANNER
 B EBFHIT
 BCS,1 CHKONFLG
 LCI 2
 LM,R2 FIELDBUF
 STM,R2 LBCCTO+15
 CHKONFLG EQU *
 MTW,0 ONFLG
 BEZ CHKDELIM
 STW,SR1 SAVEREGS
 LCI 7
 LM,R1 LBCCTO+10
 LCI 3
 STM,R1 LMNAME
 LCI 2
 STM,R4 LMNACCT
 AI,R6 0
 BEZ OPENIT
 LCI 2
 STM,R6 LMNPASS
 LI,R1 X102001
 STS,R1 LMNPASS=1
 OPENIT EQU *
 CAL1,1 OPENLM

MOVE LM NAME INTO LBCCT
IS THERE AN ACCT.
NO

THIS ACCOUNT: PASSWD MAYBE

SAVE LM ACCOUNT IN LBCCT

NXT DELIM. NOT A PERIOD

FOUND ANOTHER DELIMITER

SAVE LM PASSWORD
IN ORDER TO MAINTAIN BATCH COMPATIBI
...WE MUST EVALUATE WHETHER 'ON'
...IS A VALID PREPOSITION...
...BY TRYING TO OPEN THE LMN

GET LMN, ACCNT, PASSWD.

MOVE NAME TO FPT

LIKEWISE THE ACCOUNT
... AND IF THERE'S A PASSWD
(THERE ISN'T)
... MOVE IT TOO

SET # WDS USED TO 2

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732 OA 00183 68000368
 733 OA 00184 00184
 734 OA 00184 32800000 08
 735 OA 00185 68000046

NOLMN

B
 EQU
 LW,SR1
 B
 ONERR
 *
 SAVEREGS
 CHKDELIM

THIS LOOKS FUNNY

737 OA 00186
 738 OA 00186 68108009 A
 739 OA 00187 25100002 A
 740 OA 00188 02200020 A
 741 OA 00189 2A200035 08
 742 OA 0018A 28220077 08
 743 OA 0018B 38108009 A
 744 OA 0018C 21800048 A
 745 OA 0018D 69300046
 746 OA 0018E 6AB002CD
 747 OA 0018F 68000050
 748 OA 00190 69100046
 749 OA 00191 02200020 A
 750 OA 00192 2A200035 08
 751 OA 00193 28220079 08
 752 OA 00194 68000046

UNSAT

EQU
 INT,R1
 SLS,R1
 LCI
 LM,R2
 STM,R2
 MTW,1
 CI,SR1
 BNE
 BAL,SR4
 B
 BCS,1
 LCI
 LM,R2
 STM,R2
 B
 *
 LBCCT0+8
 2
 2
 FIELDBUF
 UNSATTBL,R1
 LBCCT0+8
 '.'
 CHKDELIM
 SCANNER
 EOFHIT
 CHKDELIM
 2
 FIELDBUF
 UNSATTBL+2,R1
 CHKDELIM

GET # OF UNSAT ACCOUNTS
 *4 = DISP INTO UNSATTBL

 TUCK AWAY AN UNSAT ACCOUNT
 BUMP # OF UNSAT ACCNTS
 DO WE HAVE A LIBRARY PASSWD.
 NO
 GO GET IT

 NOT REALLY THERE

 SAVE LIBRARY PASSWORD

```

754
755
756
757
758
759      OA 00195
760  OA 00195 6AB002CD
761  OA 00196 6800032E
762  OA 00197 69100337
763  OA 00198 22100032 A
764  OA 00199 32200035 08
765  OA 0019A 31220000 04
766  OA 0019B 6830019E
767  OA 0019C 6410019A
768  OA 0019D 68000373
769      OA 0019E
770  OA 0019E 33100041 08
771  OA 0019F 12220000 05
772  OA 001A0 4720B001 A
773  OA 001A1 72220000 06
774  OA 001A2 693001A6
775  OA 001A3 32720000 07
776  OA 001A4 693001B3
777  OA 001A5 680001B4
778      OA 001A6
779  OA 001A6 32720000 07
780  OA 001A7 202FFFFFF A
781  OA 001A8 693001AF
782  OA 001A9 2180006B A
783  OA 001AA 69300337
784      OA 001AB
785  OA 001AB 6AB002CD
786  OA 001AC 6800032E
787  OA 001AD 69100337
788  OA 001AE 680001B3
789      OA 001AF
790  OA 001AF 2180006B A
    
```

```

*
* OPTION PROCESSOR; HANDLES (OR TRIES TO) ANYTHING ENCLOSED IN
* PARENTHESIS IN THE COMMAND STRING, EXCLUDING
* THE ;TREE CARD ARGUMENTS
*
PRECOPT  EQU      $
          BAL,SR4  SCANNER
          B        EBFERR
          BCS,1    SYNERR
          LI,R1    OPTCOUNT
          LW,R2    FIELDBUF
          CW,R2    OPNAMES,R1
          BE       FOUNDOPT
          BDR,R1   *-2
          B        OPTERR
          FBUNDOPT EQU      $
          MTW,1    #OPTIONS
          LD,R2    OPMASKS,R1
          STS,R2   LOCCTO
          LB,R2    OPNXTFLD,R1
          BNEZ     PROC1
          LW,R7    OPSUBRS,R1
          BNEZ     CALLSACT
          B        CHKPAREN
          PROC1    EQU      $
          LW,R7    OPSUBRS,R1
          AI,R2    =1
          BNEZ     MAYBE
          CI,SR1   1,1
          BNE      SYNERR
          PROC2    EQU      $
          BAL,SR4  SCANNER
          B        EBFERR
          BCS,1    SYNERR
          B        CALLSACT
          MAYBE    EQU      $
          CI,SR1   1,1
    
```

THIS IS THE **OPTION PROCESSOR**
 GET OPTION KEYWORD
 WHAT A CRUMMY KEYWORD
 THAT'S ALMOST AS BAD
 NOW LET'S FIND OUT WHAT OPTION...
 .. THIS IS.

NOT THERE

WE FOUND ANOTHER ONE (H00RAY)

SET OPTION BITS (IF ANY) IN LOCCTO
 WHAT ABOUT ARGUMENTS TO THIS GUY
 ...THERE MAY BE SOME
 GET ADDR. OF SPECIAL ACTION ROUTINE
 & GO TO IT
 NO S.ACT. ROUT. (HUH)

THIS ONE HAS OPTIONAL ARG(S)
 OPTION MUST FOLLOW COMMA
 THIS ONE DOESN'T

READ 1ST ARG OF OPTION
 LOUSY, NON-EXISTANT ARGUMENT
 (AM I REPEATING MYSELF)
 GO TO SPECIAL ROUTINE

IS ARG PRESENT IS THIS INSTANCE

H01

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791 OA 001B0 683001AB
 792 OA 001B1 22200000 A
 793 OA 001B2 35200034 08
 794 OA 001B3
 795 OA 001B3 6ABE0000 A
 796 OA 001B4
 797 OA 001B4 2180005D A
 798 OA 001B5 69300337
 799 OA 001B6 68000043

BE PROC2
 LI,R2 0
 STW,R2 FIELDSIZ
 CALLSACT EQU \$
 BAL,SR4 0,R7
 CHKPAREN EQU \$
 CI,SR1)))
 BNE SYNERR
 B MAINLOOP

52
YEP; TREAT LIKE MANDATORY ARGUMENT

ZAP FIELDSIZ IF NO ARGUMENT

IS OPTION TERMINATED PROPERLY
NO

```

801
802
803
804      OA 001B7
805      OA 001B7      6AB0031D
806      OA 001B8      68000392
807      OA 001B9      6910039C
808      OA 001BA      02200020 A
809      OA 001BB      2A200035 08
810      OA 001BC      11200022 09
811      OA 001BD      6930039C
812      OA 001BE      22100000 A
813      OA 001BF      222FFFFFF A
814      OA 001C0      02200020 A
815      OA 001C1      0B10A000 A
816      OA 001C2      3220A000 A
817      OA 001C3      202FFFFFF A
818      OA 001C4      3520004C 08
819      OA 001C5      22200000 A
820      OA 001C6
821      OA 001C6      6AB002CD
822      OA 001C7      6800032E
823      OA 001C8      69100337
824      OA 001C9      3580004B 08
825      OA 001CA      6AB0020D
826      OA 001CB      02200030 A
827      OA 001CC      2A34B3F9 A
828      OA 001CD      02200070 A
829      OA 001CE      2A70000E 09
830
831      OA 001CF      B260004C 08
832      OA 001D0      32F00002 A
833      OA 001D1      20FFFFFF9 A
834      OA 001D2      55F00006 A
835      OA 001D3      022000B0 A
836      OA 001D4      2B32B200 A
837      OA 001D5      33100049 08
    
```

```

*
*      PROCESS :TREE COMMANDS
*
PROCTREE EQU      *
      BAL,SR4     READ1
      B           NBTREERR
      BCS,1       BADTREE
      LCI         2
      LM,R2       FIELDBUF
      CD,R2       TXT:TREE
      BNE         BADTREE
      LI,R1       0
      LI,R2       =1
      LCI         2
      PSM,R1      TSTACK
      LW,R2       TSTACK
      AI,R2       =1
      STW,R2      LASTENT
      LI,R2       0
ADDSEG EQU      *
      BAL,SR4     SCANNER
      B           EOFERR
      BCS,1       SYNERR
      STW,SR1     NXTDELIM
      BAL,SR4     ROMSETUP
      LCI         3
      LM,R3       ROMT=7,R2
      LCI         7
      LM,R7       ZERO
*      SET BLINKS AN WAY 'IN'
      LW,R6       *LASTENT
      LW,D4       R2
      AI,D4       =7
      STM,D4      R6
      LCI         11
      STM,R3      TREET,R1
      MTW,1       #SEGS
    
```

```

WHERE'S THE TREE CARD
SHOULDNIT HAVE HIT A DELIMITER

IS IT A :TREE COMMAND
NO

INITIALIZE STACK FOR TREE BUILDING

PTR TO TSTACK TOP =1
DISP TO CURRENT ROM

...LOOKING FOR A ROM NAME

SAVE DELIMITER FOR LATER
MOVE ROM ENTRY TO PROPER POSITION

SEGNAME

GET BLINK TO LAST SEG

POINT TO LAST ROM ADDED TO LIST

MAKE A NEW TREE TABLE ENTRY
    
```

H01

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54

| | | | | | | | |
|-----|----|-------|----------|----|---------------------------|------------|-----------------------------------|
| 838 | OA | 001D6 | B230A000 | A | LW,R3 | *TSTACK | GET DISP. TO PARALELL TREE SEG. |
| 839 | OA | 001D7 | 691001DE | | BLZ | SETFLINK | NO PARALELL TREE |
| 840 | | | | | * SET FLINKS ON WAY 'OUT' | | |
| 841 | OA | 001D8 | 32400001 | A | LW,R4 | R1 | SET PREVIOUS OVERLAY'S... |
| 842 | OA | 001D9 | 2250FFFF | A | LI,R5 | X'FFFF' | ... OVERLAY LINK TO POINT TO ... |
| 843 | OA | 001DA | 4746B204 | A | STS,R4 | TREET+4,R3 | ... CURRENT OVERLAY. |
| 844 | OA | 001DB | B510A000 | A | STW,R1 | *TSTACK | NEW TOP OF STACK |
| 845 | OA | 001DC | 2010000B | A | AI,R1 | 11 | |
| 846 | OA | 001DD | 680001E4 | | B | SCANTREE | |
| 847 | | | | | * SET FLINKS ON WAY 'IN' | | |
| 848 | | OA | 001DE | | SETFLINK EQU | * | |
| 849 | OA | 001DE | B510A000 | A | STW,R1 | *TSTACK | NEW TOP OF STACK |
| 850 | OA | 001DF | B230004C | 08 | LW,R3 | *LASTENT | GET DISP. TO PREVIOUS ENTRY |
| 851 | OA | 001E0 | 55100004 | A | STH,R1 | R4 | |
| 852 | OA | 001E1 | 225F0000 | A | LI,R5 | X'F0000' | SIGN EXTENSION WILL FILL OUT R5 |
| 853 | OA | 001E2 | 4746B204 | A | STS,R4 | TREET+4,R3 | POINT PREV. GUYS FLINK TO US |
| 854 | OA | 001E3 | 2010000B | A | AI,R1 | 11 | |
| 855 | | OA | 001E4 | | SCANTREE EQU | * | |
| 856 | OA | 001E4 | 3280004B | 08 | LW,SR1 | NXTDELIM | |
| 857 | OA | 001E5 | 21800060 | A | CI,SR1 | '-' | |
| 858 | OA | 001E6 | 683001F9 | | BE | MOREROMS | ANOTHER ROM IN THIS SEG |
| 859 | OA | 001E7 | 2180006B | A | CI,SR1 | '.' | |
| 860 | OA | 001E8 | 68300204 | | BE | NEWSEG | PARALELL OVERLAY SEGMENT |
| 861 | OA | 001E9 | 2180005D | A | CI,SR1 | ' ' | |
| 862 | OA | 001EA | 69300337 | | BNE | SYNERR | WHOOOPS... |
| 863 | | OA | 001E4 | | SEGENE EQU | * | END OF OVERLAY SEGMENT |
| 864 | OA | 001EB | 6830A001 | A | INT,R3 | TSTACK+1 | |
| 865 | OA | 001EC | 21300002 | A | CI,R3 | 2 | MUST BE AT LEAST 2 ELEMENT IS STK |
| 866 | OA | 001ED | 682003AF | | BLE | PARERR | |
| 867 | OA | 001EE | 0830A000 | A | PLW,R3 | TSTACK | BACK OFF STACK |
| 868 | OA | 001EF | 33F0004C | 08 | MTW,-1 | LASTENT | |
| 869 | OA | 001F0 | 6AB00227 | | BAL,SR4 | MARKLAST | MARK ROM AS 'LAST' IN SEG |
| 870 | OA | 001F1 | 6AB002CD | | BAL,SR4 | SCANNER | |
| 871 | OA | 001F2 | 68000206 | | B | ENDTREE | END OF 'TREE' COMMAND |
| 872 | OA | 001F3 | 68100337 | | BCR,1 | SYNERR | EXPECTING A DELIMITER HERE |
| 873 | OA | 001F4 | 2180005D | A | CI,SR1 | ' ' | |
| 874 | OA | 001F5 | 683001EB | | BE | SEGENE | END OF ANOTHER SEGMENT |

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875 OA 001F6 2180006B A
 876 OA 001F7 683001C6
 877 OA 001F8 68000337
 878 OA 001F9
 879 OA 001F9 6AB002CD
 880 OA 001FA 6800032E
 881 OA 001FB 691001FF
 882 OA 001FC 3580004B 08
 883 OA 001FD 6AB0020D
 884 OA 001FE 680001E4
 885 OA 001FF
 886 OA 001FF 2180004D A
 887 OA 00200 69300337
 888 OA 00201 223FFFFFF A
 889 OA 00202 0930A000 A
 890 OA 00203 3310004C 08
 891 OA 00204
 892 OA 00204 6AB00227
 893 OA 00205 680001C6
 894 OA 00206
 895 OA 00206 6930A001 A
 896 OA 00207 21300002 A
 897 OA 00208 693003BC
 898 OA 00209 3230004A 08
 899 OA 0020A 31300042 08
 900 OA 0020B 693003C5
 901 OA 0020C 68000079

CI,SR1 1,1
 BE ADDSEG
 B SYNERR
 EQU \$
 M0RER0MS BAL,SR4 SCANNER
 B EFERR
 BCS,1 NEWOVLY
 STW,SR1 NXTDELIM
 BAL,SR4 ROMSETUP
 B SCANTREE
 EQU \$
 NEWOVLY CI,SR1 1,1
 BNE SYNERR
 LI,R3 =1
 PSW,R3 TSTACK
 MTW,1 LASTENT
 EQU \$
 NEWSEG BAL,SR4 MARKLAST
 B ADDSEG
 EQU \$
 ENDTREE INT,R3 TSTACK+1
 CI,R3 2
 BNE LEVELERR
 LW,R3 ROMINDX
 CW,R3 #ROMS
 BNE EFERR
 B WRAPUP

PARALELL SEGMENT

WE MIGHT HAVE THE START OF A ...
... NEW OVERLAY, OR ANOTHER ROM.
NEW OVERLAY BEING DEFINED

ANOTHER ROM FOR THIS SEGMENT

MAKE SURE SYNTAX IS CORRECT
ITS NOT
NULL ENTRY FOR...
...NEW TOP OF STACK

MARK ROM AS 'LAST' IN SEG
& GO TO WORK ON NEW SEGMENT

WE DIDN'T GET BACK TO TOP LEVEL

NOT ENOUGH EFIS IN TREE COMMAND
...THAT'S IT.

903 OA 0020D
 904 OA 0020D 32400042 08
 905 OA 0020E 3840004A 08
 906 OA 0020F 32300002 A
 907 OA 00210 25300002 A
 908 OA 00211 32500034 08
 909 OA 00212

ROMSETUP EQU \$
 LW,R4 #ROMS
 SW,R4 ROMINDX
 LW,R3 R2
 SLS,R3 2
 LW,R5 FIELDSIZ
 EQU \$
 FIND

OF ROMS LEFT TO SEARCH
COPY CURRENT ROM DISP.
MAKE IT A BYTE DISP.

| | | | | | | | |
|-----|-------|---------|----------|----|----------|-------------|------------------------------|
| H01 | 13:44 | SEP 08, | 175 | | | | |
| 910 | OA | 00212 | 1260000A | 09 | LD,R6 | R0MSRCH | |
| 911 | OA | 00213 | 30700003 | A | AW,R7 | R3 | |
| 912 | OA | 00214 | 75500007 | A | STB,R5 | R7 | |
| 913 | OA | 00215 | 60600000 | A | CBS,R6 | 0 | FIND R0M IN R0M TABLE |
| 914 | OA | 00216 | 6830021A | | BE | G0TR0M | |
| 915 | OA | 00217 | 2030001C | A | AI,R3 | 7**2 | ADVANCE TO NEXT ENTRY |
| 916 | OA | 00218 | 64400212 | | BDR,R4 | FIND | |
| 917 | OA | 00219 | 680003A3 | | B | R0MTERR | R0M NOT IN EF LIST |
| 918 | OA | 0021A | | | G0TR0M | EQU | * |
| 919 | OA | 0021A | 2530007E | A | SLS,R3 | =2 | BACK TO WORD DISP. |
| 920 | OA | 0021B | 31300002 | A | CW,R3 | R2 | |
| 921 | OA | 0021C | 68300224 | | BE | INPLACE | DON'T NEED TO MOVE IT |
| 922 | OA | 0021D | 02200070 | A | LCI | 7 | |
| 923 | OA | 0021E | 2A44B400 | A | LM,R4 | R0MT,R2 | |
| 924 | OA | 0021F | 2B400004 | 08 | STM,R4 | SAVEREGS+R4 | |
| 925 | OA | 00220 | 2A46B400 | A | LM,R4 | R0MT,R3 | |
| 926 | OA | 00221 | 2B44B400 | A | STM,R4 | R0MT,R2 | |
| 927 | OA | 00222 | 2A400004 | 08 | LM,R4 | SAVEREGS+R4 | |
| 928 | OA | 00223 | 2B46B400 | A | STM,R4 | R0MT,R3 | |
| 929 | OA | 00224 | | | INPLACE | EQU | * |
| 930 | OA | 00224 | 20200007 | A | AI,R2 | 7 | |
| 931 | OA | 00225 | 3310004A | 08 | MTW,1 | R0MINDX | |
| 932 | OA | 00226 | E800000B | A | B | *SR4 | |
| 934 | OA | 00227 | | | MARKLAST | EQU | * |
| 935 | OA | 00227 | 22400000 | A | LI,R4 | 0 | MARK LAST MOVED R0M ENTRY... |
| 936 | OA | 00228 | 22500040 | A | LI,R5 | X1401 | ... AS LAST IN SEGMENT. |
| 937 | OA | 00229 | 4744B3FB | A | STS,R4 | R0MT=5,R2 | |
| 938 | OA | 0022A | E800000B | A | B | *SR4 | |

```

940
941
942
943
944      OA 0022B
945  OA 0022B 32100030 09
946      OA 0022C
947  OA 0022C 12400020 09
948      OA 0022D
949  OA 0022D 32900042 08
950  OA 0022E 23900007 A
951  OA 0022F 2090B400 A
952  OA 00230 33100042 08
953  OA 00231 22300040 A
954  OA 00232 1260000E 09
955  OA 00233 02200070 A
956  OA 00234 A8100009 A
957  OA 00235 E800000B A

          *
          * SPECIAL ACTION ROUTINES FOR HANDLING OPTIONS THAT
          * SET WIFRD FLAGS OR STORE VALUES INTO THE LOCCT.
          *
          *
          *PTJO EQU * 'JO'
          LW,R1 TXTCIJ0 ADD JO TO R0M TABLE
          *
          JOJ1ADD EQU *
          LD,R4 TXT:SYS JO&J1 COME FROM :SYS
          *
          R0MADD EQU *
          LW,SR2 #R0MS
          MI,SR2 7 DISP TO NEXT FREE R0MT ENTRY
          AI,SR2 R0MT
          MTW,1 #R0MS
          LI,R3 X140' SET INST LAST! FLAG IN R0M ENTRY
          LD,R6 DWZER0 (DEFAULT PASSWORD = 0#0)
          LCI 7
          STM,R1 *SR2 MOVE IT ALL INTO R0M TABLE
          B *SR4

          *
          *
          *PTJ1 EQU * 'J1'
          LCI 2 ADD M0NSTK TO R0M TABLE
          LM,R1 TXTCIJ1
          B JOJ1ADD

          *
          *
          *PTBI EQU * 'BI' READ BIN INPUT
          LW,R1 L0CCT0+3
          SLS,R1 8
          OR,R1 3B BUILD :SYSID B; FILENAME
          LCI 2
          LM,R4 J,ACCN
          B R0MADD ADD FILE TO R0M TABLE

          *
          *
          *PTLB EQU * 'LB,VAL' (LOAD BIAS)
          BAL,SR3 GET HEX # BACK IN SR2
    
```

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| | | | | | | | |
|------|----|----------|----------|----|---------|-------------|--|
| 974 | OA | 00240 | 32200009 | A | LW,R2 | SR2 | |
| 975 | OA | 00241 | 2231FFFF | A | LI,R3 | X'1FFFF' | |
| 976 | OA | 00242 | 4720B005 | A | STS,R2 | L0CCT0+4 | |
| 977 | OA | 00243 | E800000B | A | B | *SR4 | |
| 979 | | OA 00244 | | | 0PTTSS | EQU | * 'TSS,SIZE' |
| 980 | OA | 00244 | 6AA002B0 | | BAL,SR3 | HEXCNVRT | |
| 981 | OA | 00245 | 5590B009 | A | STH,SR2 | L0CCT0+8 | |
| 982 | OA | 00246 | E800000B | A | B | *SR4 | |
| 984 | | OA 00247 | | | 0PTERT | EQU | * 'ERT,SIZE' LIB. ERTABLE SIZE |
| 985 | OA | 00247 | 6AA002B0 | | BAL,SR3 | HEXCNVRT | |
| 986 | OA | 00248 | 22100001 | A | LI,R1 | 1 | |
| 987 | OA | 00249 | 5592B008 | A | STH,SR2 | L0CCT0+7,R1 | |
| 988 | OA | 0024A | E800000B | A | B | *SR4 | |
| 990 | | OA 0024B | | | 0PTERS | EQU | * 'ERS,SIZE' LIB. ERSTACK SIZE |
| 991 | OA | 0024B | 6AA002B0 | | BAL,SR3 | HEXCNVRT | |
| 992 | OA | 0024C | 5590B008 | A | STH,SR2 | L0CCT0+7 | |
| 993 | OA | 0024D | E800000B | A | B | *SR4 | |
| 995 | | OA 0024E | | | 0PTSL | EQU | * 'SL,VAL' |
| 996 | OA | 0024E | 6AA002B0 | | BAL,SR3 | HEXCNVRT | |
| 997 | OA | 0024F | 55900002 | A | STH,SR2 | R2 | |
| 998 | OA | 00250 | 323003E5 | | LW,R3 | 'X'F0000' | |
| 999 | OA | 00251 | 4720B001 | A | STS,R2 | L0CCT0 | |
| 1000 | OA | 00252 | E800000B | A | B | *SR4 | |
| 1002 | | OA 00253 | | | 0PTRD | EQU | * 'RD,ACCNT,...' READ ACCOUNTS |
| 1003 | OA | 00253 | 221000C7 | 08 | LI,R1 | #READS | |
| 1004 | OA | 00254 | 22700097 | 08 | LI,R7 | READTBL | |
| 1005 | OA | 00255 | 6AA002A1 | | BAL,SR3 | BLDTBL | PTRS TO # OF ENTRIES & TABLE... TO BE USED BY BLDTBL. |

| | | | | | |
|------|----------|-------------|--------|---------|---|
| 1006 | OA 00256 | E800000B A | B | *SR4 | |
| 1008 | OA 00257 | | BPTWR | EGU | \$ |
| 1009 | OA 00257 | 221000C8 08 | | LI,R1 | #WRITES |
| 1010 | OA 00258 | 227000A7 08 | | LI,R7 | WRITETBL |
| 1011 | OA 00259 | 6AA002A1 | | BAL,SR3 | BLDTBL |
| 1012 | OA 0025A | E800000B A | | B | *SR4 |
| | | | | | WR,ACCNT,.... WRITE ACCOUNTS |
| 1014 | OA 0025B | | BPTEX | EGU | \$ |
| 1015 | OA 0025B | 221000C9 08 | | LI,R1 | #EXACCTS |
| 1016 | OA 0025C | 227000B7 08 | | LI,R7 | EXTBL |
| 1017 | OA 0025D | 6AA002A1 | | BAL,SR3 | BLDTBL |
| 1018 | OA 0025E | 12C0001E 09 | | LD,D1 | TXTNONE |
| 1019 | OA 0025F | 02200020 A | | LCI | 2 |
| 1020 | OA 00260 | 28C0B016 A | | STM,D1 | LACCCT0+21 |
| 1021 | OA 00261 | E800000B A | | B | *SR4 |
| | | | | | MOVE EXECUTE ACCTS TO 'EXTBL' AND CHANGE DEFAULT READ ACCNT TO 'NONE' |
| 1023 | OA 00262 | | BPTEV | EGU | \$ |
| 1024 | OA 00262 | 32100034 08 | | LW,R1 | FIELDsiz |
| 1025 | OA 00263 | 20100001 A | | AI,R1 | 1 |
| 1026 | OA 00264 | 1220000C 09 | | LD,R2 | EVMBS |
| 1027 | OA 00265 | 75100003 A | | STB,R1 | R3 |
| 1028 | OA 00266 | 61200000 A | | MBS,R2 | 0 |
| 1029 | OA 00267 | E800000B A | | B | *SR4 |
| | | | | | SET UP FOR MBS OF VEHICLE NAME |
| 1031 | OA 00268 | | BPTEXP | EGU | \$ |
| 1032 | OA 00268 | 2180005D A | | CI,SR1 | 1)1 |
| 1033 | CA 00269 | 69300271 | | BNE | MMDDYY |
| 1034 | OA 0026A | 02200020 A | | LCI | 2 |
| 1035 | OA 0026B | 2A200035 08 | | LM,R2 | FIELDBUF |
| 1036 | OA 0026C | 11200024 09 | | CD,R2 | TXTNEVER |
| 1037 | OA 0026D | 69300337 | | BNE | SYNERR |
| 1038 | OA 0026E | 02200020 A | | LCI | 2 |
| | | | | | EXP, JUNK, EXPIRE DATE IS THERE ONLY ONE ARG. NO ONLY GOOD OPTION IS 'NEVER' |

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1039 OA 0026F 2020B012 A
 1040 OA 00270 E800000B A
 1041 OA 00271 MDDYY
 1042 OA 00271 35B0000B 08
 1043 OA 00272 22100002 A
 1044 OA 00273 31100034 08
 1045 OA 00274 69300337
 1046 OA 00275 2180006B A
 1047 OA 00276 69300337
 1048 OA 00277 52200035 08
 1049 OA 00278 6AB002CD
 1050 OA 00279 6800032E
 1051 OA 0027A 69100337
 1052 OA 0027B 2180006B A
 1053 OA 0027C 69300337
 1054 OA 0027D 31100034 08
 1055 OA 0027E 69300337
 1056 OA 0027F 52300035 08
 1057 OA 00280 3530B012 A
 1058 OA 00281 5520B012 A
 1059 OA 00282 6AB002CD
 1060 OA 00283 6800032E
 1061 OA 00284 69100337
 1062 OA 00285 31100034 08
 1063 OA 00286 69300337
 1064 OA 00287 32200035 08
 1065 OA 00288 25200210 A
 1066 OA 00289 3520B013 A
 1067 OA 0028A E800000B 08

MDDYY

STM,R2 LOCCT0+17
 B *SR4
 EQU *
 STW,SR4 SAVEREGS+SR4
 LI,R1 2
 CW,R1 FIELDSIZ
 BNE SYNERR
 CI,SR1 ', '
 BNE SYNERR
 LH,R2 FIELDBUF
 BAL,SR4 SCANNER
 B EOFERR
 BCS,1 SYNERR
 CI,SR1 ', '
 BNE SYNERR
 CW,R1 FIELDSIZ
 BNE SYNERR
 LH,R3 FIELDBUF
 STW,R3 LOCCT0+17
 STM,R2 LOCCT0+17
 BAL,SR4 SCANNER
 B EOFERR
 BCS,1 SYNERR
 CW,R1 FIELDSIZ
 BNE SYNERR
 LW,R2 FIELDBUF
 SCS,R2 16
 STW,R2 LOCCT0+18
 B *SAVEREGS+SR4

MOVE IT TO LOCCT

MUST BE 2 CHARACTERS AND COMMA MUST BE NEXT

1069 OA 0028B
 1070 OA 0028B 33100046 08
 1071 OA 0028C E800000B A

OPT08

EQU *
 MTW,1 TREEFLAG
 B *SR4

10S1 SEG MODE OVERLAID PROG. SET OVERLAID LM FLAG

1073 OA 0028D

OPT0R

EQU *

10R1 / 10R,NUM1 REF MODE OVERLAY

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1074 OA 0028D 33000034 08
 1075 OA 0028E 68300291
 1076 OA 0028F 6AA002C1
 1077 OA 00290 68000292
 1078 OA 00291 22900016 A
 1079 OA 00292
 1080 OA 00292 55900002 A
 1081 OA 00293 25200001 A
 1082 OA 00294 223E0000 A
 1083 OA 00295 4720B005 A
 1084 OA 00296 33100046 08
 1085 OA 00297 E800000B A

REF1
STORCNT

MTW,0
BEZ
BAL,SR3
B
LI,SR2
EQU
STH,SR2
SLS,R2
LI,R3
STS,R2
MTW,1
B
FIELDSIZ
REF1
DECCNVRT
STORCNT
22
*
R2
1
X:EO000'
LBCCTO*4
TREEFLAG
*SR4

WAS 'NUM' OPTION PRESENT
 NO
 CONVERT DECIMAL # TO HEX
 DEFAULT REF MODE TABLE SIZE

ALIGN TO LOCCT POSITION
 SIGN EXTENSION MAKES THIS WORK

SET OVERLAID LM FLAG

1087 OA 00298
 1088 OA 00298 33000034 08
 1089 OA 00299 6830029C
 1090 OA 0029A 6AA002C1
 1091 OA 0029B 68000292
 1092 OA 0029C 2290000B A
 1093 CA 0029D 68000292

BPT0B

EQU
MTW,0
BEZ
BAL,SR3
B
LI,SR2
B
FIELDSIZ
BREF1
DECCNVRT
STORCNT
11
STORCNT

'0B' / '0B,NUM' BREF MODE OVERLAY
 WAS OPTION PRESENT
 NO

1095 OA 0029E
 1096 OA 0029E 22110000 A
 1097 OA 0029F 4710B004 A
 1098 OA 002A0 E800000B A

BPT0SP

EQU
LI,R1
STS,R1
B
X:10000'
LBCCTO+3
*SR4

FLAG TO MOVE CSECTO TO ROOT

| | | | | | | |
|------|----|-------------------|----------|---------|--------------|-----------------------------------|
| 1100 | | | * | | | |
| 1101 | | | * | | | |
| 1102 | | | * | | | |
| 1103 | | OA 002A1 | BLDTBL | EQU | * | |
| 1104 | OA | 002A1 35B0000B 08 | | STW,SR4 | SAVEREGS+SR4 | |
| 1105 | | OA 002A2 | BLDTBL1 | EQU | * | |
| 1106 | OA | 002A2 32220000 A | | LW,R2 | 0,R1 | GET # OF ENTRIES ALREADY IN TBL |
| 1107 | OA | 002A3 25200001 A | | SLS,R2 | 1 | CONVERT TO DISP |
| 1108 | OA | 002A4 33120000 A | | MTW,1 | 0,1 | BUMP COUNT OF ENTRIES |
| 1109 | OA | 002A5 02200020 A | | LCI | 2 | |
| 1110 | OA | 002A6 2A300035 08 | | LM,R3 | FIELDBUF | |
| 1111 | OA | 002A7 A8340007 A | | STM,R3 | *R7,R2 | MOVE FIELD INTO TABLE |
| 1112 | OA | 002A8 2180006B A | | CI,SR1 | 1,1 | ANOTHER FIELD FOLLOWING |
| 1113 | OA | 002A9 693002AE | | BNE | BLDXIT | NO |
| 1114 | OA | 002AA 6AB002CD | | BAL,SR4 | SCANNER | |
| 1115 | OA | 002AB 6800032E | | B | EOFERR | |
| 1116 | OA | 002AC 681002A2 | | BCR,1 | BLDTBL1 | GOT ANOTHER FIELD |
| 1117 | OA | 002AD 68000337 | | B | SYNERR | SHOULDNIT HAVE HIT ANOTHER DELIM. |
| 1118 | | OA 002AE | BLDXIT | EQU | * | |
| 1119 | OA | 002AE 32B0000B 08 | | LW,SR4 | SAVEREGS+SR4 | |
| 1120 | OA | 002AF E800000A A | | B | *SR3 | |
| 1122 | | OA 002B0 | HEXCNVRT | EQU | * | CONVERT HEX # IN FIELDBUF TO... |
| 1123 | OA | 002B0 22100000 A | | LI,R1 | 0 | 'REAL' HEX # IN SR2 |
| 1124 | OA | 002B1 32200034 08 | | LW,R2 | FIELDSIZ | |
| 1125 | OA | 002B2 22900000 A | | LI,SR2 | 0 | |
| 1126 | OA | 002B3 680002B5 | | B | *+2 | |
| 1127 | | OA 002B4 | HEXLOOP | EQU | * | |
| 1128 | OA | 002B4 25900004 A | | SLS,SR2 | 4 | |
| 1129 | OA | 002B5 72320035 08 | | LB,R3 | FIELDBUF,R1 | |
| 1130 | OA | 002B6 19300016 09 | | CLM,R3 | ATOF | |
| 1131 | OA | 002B7 689002BB | | BIL | OKA | |
| 1132 | OA | 002B8 19300018 09 | | CLM,R3 | OT09 | |
| 1133 | OA | 002B9 6990037A | | B0L | HEXERR | BAD HEX DIGIT |
| 1134 | OA | 002BA 680002BC | | B | *+2 | |
| 1135 | | OA 002B5 | OKA | EQU | * | |

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1136 OA 002BB 20300009 A
 1137 OA 002BC 403003E6
 1138 OA 002BD 49900003 A
 1139 OA 002BE 20100001 A
 1140 OA 002BF 642002B4
 1141 OA 002C0 E000000A A

AI,R3 9
 AND,R3 *X'F'
 BR,SR2 R3
 AI,R1 1
 BDR,R2 HEXLOOP
 B *SR3

BUILD UP HEX #

1143 OA 002C1
 1144 OA 002C1 32100034 08
 1145 OA 002C2 21100004 A
 1146 OA 002C3 6920038B
 1147 OA 002C4 322003E7
 1148 OA 002C5 32300035 08
 1149 OA 002C6 201FFFFFF A
 1150 OA 002C7 76320002 A
 1151 OA 002C8 69800383
 1152 OA 002C9 25F0007C A
 1153 OA 002CA 29F00063 09
 1154 OA 002CB 3290000F A
 1155 OA 002CC E000000A A

DECCNVRT EQU *
 LW,R1 FIELDSIZ
 CI,R1 4
 BG NUMERR
 LW,R2 *X'FOFOFOFO'
 LW,R3 FIELDBUF
 AI,R1 =1
 PACK,3 R2,R1
 BCS,8 DECERR
 SLS,D4 =4
 CVA,D4 DECTBL
 LW,SR2 D4
 B *SR3

CONVERT DECIMAL # IN FIELDBUF...
... TO HEX # IN SR2

T00 MANY DIGITS

ILLEGAL DECIMAL #

| Line | Op | Code | Address | Mode | Label | Op | Register | Value | Description |
|------|----|-------|----------|------|-----------|---------|----------|-------------|-----------------------------------|
| 1194 | | OA | 002E0 | | NONBLANK | EGU | | * | |
| 1195 | OA | 002E0 | 12400002 | 09 | | LD,R4 | | TTBSREGS | SET UP TO LOOK FOR DELIMITERS |
| 1196 | OA | 002E1 | 75200005 | A | | STB,R2 | | R5 | CNT OF REMAINING CHARS IN INBUF |
| 1197 | OA | 002E2 | 30500001 | A | | AW,R5 | | R1 | DISP. TO BEGIN SCANNING |
| 1198 | OA | 002E3 | 40400000 | A | | TTBS,R4 | | 0 | FIND NEXT DELIMITER |
| 1199 | OA | 002E4 | 681002E6 | | | BCR,1 | | *+2 | HIT EOF W/O FINDING DELIM. |
| 1200 | OA | 002E5 | 72800004 | A | | LB,SR1 | | R4 | RETURN FOUND DELIMITER |
| 1201 | OA | 002E6 | 72500005 | A | | LB,R5 | | R5 | # OF REMAINING CHARS TO SEARCH |
| 1202 | OA | 002E7 | 38200005 | A | | SW,R2 | | R5 | # OF CHARS BEFORE DELIMITER |
| 1203 | OA | 002E8 | 683002F3 | | | BEZ | | CHKCNT | DELIM. WAS ONLY CHAR = NO FIELD |
| 1204 | OA | 002E9 | 7020004D | 08 | | LC | | EXITCC | CC1=0 MEANS WE FOUND DELIM. IN... |
| 1205 | OA | 002EA | 681002F3 | | | BCR,1 | | CHKCNT | ...A CONTINUED LINE (ALREADY...) |
| 1206 | | | | | | | | | ...FOUND FIELD IN PREV. LINE) |
| 1207 | OA | 002EB | 12400004 | 09 | | LD,R4 | | FIELDMBS | |
| 1208 | OA | 002EC | 75200005 | A | | STB,R2 | | R5 | |
| 1209 | OA | 002ED | 30400001 | A | | AW,R4 | | R1 | |
| 1210 | OA | 002EE | 61400000 | A | | MBS,R4 | | 0 | MOVE FIELD INTO FIELDBUF |
| 1211 | OA | 002EF | 35200034 | 08 | | STW,R2 | | FIELDSIZ | |
| 1212 | OA | 002F0 | 33100043 | 08 | | MTW,1 | | #FIELDS | BUMP COUNT OF FIELDS FOUND |
| 1213 | OA | 002F1 | 02200000 | A | | LCI | | 0 | |
| 1214 | OA | 002F2 | 7400004D | 08 | | STCF | | EXITCC | FLAG INDICATING WE FOUND A FIELD |
| 1215 | | OA | 002F3 | | CHKCNT | EGU | | * | CHECK FOR LINE CONTINUATION |
| 1216 | OA | 002F3 | 30100002 | A | | AW,R1 | | R2 | ADVANCE CURPOS TO DELIMITER |
| 1217 | OA | 002F4 | 20100001 | A | | AI,R1 | | 1 | INCREMENT CURPOS PAST DELIMITER |
| 1218 | OA | 002F5 | 2180005E | A | | CI,SR1 | | 1,1 | |
| 1219 | OA | 002F6 | 693002F9 | | | BNE | | NOCONTIN | |
| 1220 | OA | 002F7 | 31100010 | 08 | | CW,R1 | | INBUFSIZ | WAS SEMICOLON THE LAST CHAR. |
| 1221 | OA | 002F8 | 683002FF | | | BE | | CONTINUE | YES-READ ANOTHER RECORD |
| 1222 | | OA | 002F9 | | NOCONTIN | EGU | | * | |
| 1223 | OA | 002F9 | 35100047 | 08 | | STW,R1 | | CURPOS | SAVE CURRENT CHAR. POS. |
| 1224 | | OA | 002FA | | NOEOFEXIT | EGU | | * | RETURN TO BAL+2 IF EOF NOT HIT |
| 1225 | OA | 002FA | 20B00001 | A | | AI,SR4 | | 1 | |
| 1226 | | OA | 002FB | | EOFEXIT | EGU | | * | |
| 1227 | OA | 002FB | 02200050 | A | | LCI | | 5 | |
| 1228 | OA | 002FC | 2A100001 | 08 | | LM,R1 | | SAVEREGS+R1 | |
| 1229 | OA | 002FD | 7020004D | 08 | | LC | | EXITCC | |
| 1230 | OA | 002FE | E800000B | A | | B | | *SR4 | |

| | | | | | | | |
|------|----------|----------|----|----------|---------|-------------------------------------|------------------------------------|
| 1232 | OA 002FF | 32100026 | 09 | CONTINUE | EGU | * | |
| 1233 | OA 002FF | 61000068 | 09 | | LW,R1 | ZAPINBUF | |
| 1234 | OA 00300 | 22100318 | | | MBS,R0 | BA(BLANKS) | CLEAR INPUT BUFFER |
| 1235 | OA 00301 | 04100000 | 03 | | LI,R1 | SIEBF | ABN RETURN FOR READ |
| 1236 | OA 00302 | 22100000 | A | | CAL1,1 | READSI | READ ANOTHER RECORD |
| 1237 | OA 00303 | 35100047 | 08 | | LI,R1 | 0 | |
| 1238 | OA 00304 | 52200004 | N | | STW,R1 | CURPOS | RESET CURRENT CHAR POSITION |
| 1239 | OA 00305 | 2520007F | A | | LH,R2 | M:SI+4 | |
| 1240 | OA 00306 | 22300003 | A | | SLS,R2 | =1 | GET # OF CHARS READ |
| 1241 | OA 00307 | 45300000 | X | | LI,R3 | 3 | |
| 1242 | OA 00308 | 69300315 | | | CS,R3 | M:SI | IS M:SI ASSIGNED TO A DEVICE |
| 1243 | OA 00309 | 70200000 | X | | BNE | SETSI2 | NOPE |
| 1244 | OA 0030A | 6880030E | | | LC | JIJIT | ARE WE BATCH (READING C DEVICE) |
| 1245 | OA 0030B | 202FFFFF | A | | BCR,8 | BATCH | YES |
| 1246 | OA 0030C | 68000315 | | | AI,R2 | =1 | DON'T COUNT CR FROM UC |
| 1247 | OA 0030D | 04100010 | 03 | BATCH | B | SETSI2 | |
| 1248 | OA 0030E | 11000000 | N | ,LLECH0 | EGU | * | |
| 1249 | OA 0030E | 34000000 | | | M:WRITE | M:LL,(BUF,INBUF),(SIZE,*R2),(BTD,0) | |
| | 03 0001D | 00000011 | 08 | | | | |
| | 03 0001F | 80000002 | A | | | | |
| | 03 00020 | 00000000 | A | | | | |
| | 03 00021 | 2220004F | A | | LI,R2 | 79 | |
| 1250 | OA 0030F | 22800040 | A | | LI,SR1 | X:40' | |
| 1251 | OA 00310 | 71840011 | 08 | | CB,SR1 | INBUF,R2 | FIND LAST NON-BLANK IN CARD IMAGE |
| 1252 | OA 00311 | 69300314 | | | BNE | *+2 | |
| 1253 | OA 00312 | 64200311 | | | BDR,R2 | *-2 | |
| 1254 | OA 00313 | 20200001 | A | | AI,R2 | 1 | |
| 1255 | OA 00314 | 35200010 | 08 | SETSI2 | EGU | * | |
| 1256 | OA 00315 | 33100048 | 08 | | STW,R2 | INBUFSIZ | |
| 1257 | OA 00316 | 680002E0 | | | MTW,1 | ONFLG | CHECK ON/OVER IF IN CONTINUED LINE |
| 1258 | OA 00317 | | | | B | NONBLANK | |
| 1261 | OA 00318 | | | SIEBF | EGU | * | HIT EOF READING M:SI |
| 1262 | OA 00318 | 22800040 | A | | LI,SR1 | X:40' | RETURN BLANK AS DELIMITER |

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1263 OA 00319 22100000 A
 1264 OA 0031A 35100047 08
 1265 OA 0031B 35100010 08
 1266 OA 0031C 680002FA

LI,R1 0
 STW,R1 CURPOS
 STW,R1 INBUFSIZ
 B NBE0FXIT

SET UP TO GIVE THE EOF RETURN...
 ON THE NEXT CALL TO SCANNER

1268 OA 0031U READ1
 1269 OA 0031D 02200050 A
 1270 OA 0031E 25100000 08
 1271 OA 0031F 32100028 09
 1272 OA 00320 61000068 09
 1273 OA 00321 22100000 A
 1274 OA 00322 35000034 08
 1275 OA 00323 680002FF

EQU *
 LCI 5
 STM,R1 SAVEREGS
 LW,R1 ZAPFLDBUF
 MBS,R0 BA(BLANKS)
 LI,R1 0
 STW,R0 FIELDSIZ
 B CONTINUE

CLEAR FIELDBUF
 AND FIELDSIZ
 AND FORCE A NEW READ

```

1277
1278
1279
1280
1281
1282
1283 OA 00324 6A0003DB
1284 OA 00325 215C5C5C A
      OA 00326 40C9D5E2 A
      OA 00327 E4C6C6C9 A
      OA 00328 C3C9C5D5 A
      OA 00329 E340D4C5 A
      OA 0032A D4D6D9E8 A
      OA 0032B 40C1F5C1 A
      OA 0032C C9D3C1C2 A
      OA 0032D D3C54040 A
1285 OA 0032E 6A0003D1
1286 OA 0032F 105C5C5C A
      OA 00330 40E4D5C5 A
      OA 00331 E7D7C5C3 A
      OA 00332 E3C5C440 A
      OA 00333 C5D5C440 A
      OA 00334 D6C640C3 A
      OA 00335 D6D4D4C1 A
      OA 00336 D5C44040 A
1287 OA 00337 6A0003D1
1288 OA 00338 105C5C5C A
      OA 00339 40E2E8D5 A
      OA 0033A E3C1F740 A
      OA 0033B C5D9D9D6 A
      OA 0033C D9404040 A
1289 OA 0033D 6A0003DB
1290 OA 0033E 205C5C5C A
      OA 0033F 40D5D640 A
      OA 00340 C5D3C5D4 A
      OA 00341 C5D5F340 A
      OA 00342 C6C9D3C5 A
    
```

```

*
* XLOAD ERROR MESSAGES
*
* OPERR WILL JUST PRINT THE ERROR MESSAGE.
*
* USRERR WILL TRY TO POINT TO THE CHARACTER AT WHICH
*
* THE ERROR WAS DETECTED.
*
    
```

```

NOCORE BAL,R0 OPERR
      TEXTC !*** INSUFFICIENT MEMORY AVAILABLE!
    
```

```

EOFERR BAL,R0 USRERR
      TEXTC !*** UNEXPECTED END OF COMMAND!
    
```

```

SYNERR BAL,R0 USRERR
      TEXTC !*** SYNTAX ERROR!
    
```

```

NOROMS BAL,R0 OPERR
      TEXTC !*** NO ELEMENT FILES IN, NO LOAD MODULE OUT!
    
```

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OA 00343 E240C9D5 A
 OA 00344 6B40D5D6 A
 OA 00345 4UD3D6C1 A
 OA 00346 C440D4D6 A
 OA 00347 C4E4D3C5 A
 OA 00348 4UD6F4E3 A
 1291 OA 00349 6A0003DB
 1292 OA 0034A 215C5C5C A
 OA 0034B 40E4D5C1 A
 OA 0034C C2D3C540 A
 OA 0034D E3D640C1 A
 OA 0034E C3C3C5E2 A
 OA 0034F E240C3D6 A
 OA 00350 D4D4C1D5 A
 OA 00351 C440C6C9 A
 OA 00352 D3C54040 A
 1293 OA 00353 6A0003D1
 1294 OA 00354 235C5C5C A
 OA 00355 40C5D3C5 A
 OA 00356 D4C5D5E3 A
 OA 00357 40C6C9D3 A
 OA 00358 C540D5C1 A
 OA 00359 D4C5406E A
 OA 0035A F840C3C8 A
 OA 0035B C1D9C1C3 A
 OA 0035C E3C5D9E2 A
 1295 OA 0035D 6A0003D1
 1296 OA 0035E 245C5C5C A
 OA 0035F 4UD3D6C1 A
 OA 00360 C440D4D6 A
 OA 00361 C4E4D3C5 A
 OA 00362 4UD5C1D4 A
 OA 00363 C5406E40 A
 OA 00364 F1F140C3 A
 OA 00365 C8C1D9C1 A
 OA 00366 C3E3C5D9 A
 OA 00367 E2404040 A

CFILERR BAL,RO OPERR
 TEXTC !*** UNABLE TO ACCESS COMMAND FILE!

RBMLERR BAL,RO USRERR
 TEXTC !*** ELEMENT FILE NAME >8 CHARACTERS!

LMNERR BAL,RO USRERR
 TEXTC !*** LOAD MODULE NAME > 11 CHARACTERS!

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1297 OA 00368 6A0003DB A
 1298 OA 00369 265C5C5C A
 OA 0036A 407D06D5 A
 OA 0036B 7040C9D3 A
 OA 0036C D3C5C7C1 A
 OA 0036D D340A060 A
 OA 0036E 40D3D6C1 A
 OA 0036F C440D4D6 A
 OA 00370 C4E4D3C5 A
 OA 00371 40C5F7C9 A
 OA 00372 E2E3F240 A
 1299 OA 00373 6A0003D1 A
 1300 OA 00374 175C5C5C A
 OA 00375 40E4D5D9 A
 OA 00376 C5C3D6C7 A
 OA 00377 D5C9F9C5 A
 OA 00378 C440D6D7 A
 OA 00379 E3C9D6D5 A
 1301 OA 0037A 6A0003D1 A
 1302 OA 0037B 1E5C5C5C A
 OA 0037C 40C9D3D3 A
 OA 0037D C5C7C1D3 A
 OA 0037E 40C8C5E7 A
 OA 0037F C1C4C5C3 A
 OA 00380 C9D4C1D3 A
 OA 00381 40D5F4D4 A
 OA 00382 C2C5D940 A
 1303 OA 00383 6A0003D1 A
 1304 OA 00384 1A5C5C5C A
 OA 00385 40C9D3D3 A
 OA 00386 C5C7C1D3 A
 OA 00387 40C4C5C3 A
 OA 00388 C9D4C1D3 A
 OA 00389 40D5F4D4 A
 OA 0038A C2C5D940 A
 1305 OA 0038B 6A0003D1 A
 1306 OA 0038C 145C5C5C A

BNERR BAL,RO
 TEXTC

 BPTERR BAL,RO
 TEXTC

 HEXERR BAL,RO
 TEXTC

 DECERR BAL,RO
 TEXTC

 NUMERR BAL,RO
 TEXTC

BPERR
 '*** OPTION! ILLEGAL -- LOAD MODULE EXISTS!

 USRERR
 '*** UNRECOGNIZED OPTION!

 USRERR
 '*** ILLEGAL HEXADECIMAL NUMBER!

 USRERR
 '*** ILLEGAL DECIMAL NUMBER!

 USRERR
 '*** NUMBER TOO LARGE!

| | | | | | |
|------|-------|-------------|----------|---|---|
| MO1 | 13144 | SEP 08, '75 | | | |
| | | 0A 0038D | 40D5F4D4 | A | |
| | | 0A 0038E | C2C5D940 | A | |
| | | 0A 0038F | E3D6D640 | A | |
| | | 0A 00390 | D3C1D9C7 | A | |
| | | 0A 00391 | C5404040 | A | |
| 1307 | | 0A 00392 | 6A0003DB | | NBTREERR BAL,RO OPERR |
| 1308 | | 0A 00393 | 215C5C5C | A | TEXTC !*** MISSING EXPECTED TREE COMMAND! |
| | | 0A 00394 | 40D4C9E2 | A | |
| | | 0A 00395 | E2C9D5C7 | A | |
| | | 0A 00396 | 40C5F7D7 | A | |
| | | 0A 00397 | C5C3F3C5 | A | |
| | | 0A 00398 | C440E3D9 | A | |
| | | 0A 00399 | C5C540C3 | A | |
| | | 0A 0039A | D6D4D4C1 | A | |
| | | 0A 0039B | D5C44040 | A | |
| 1309 | | 0A 0039C | 6A0003D1 | | BADTREE BAL,RO USRERR |
| 1310 | | 0A 0039D | 155C5C5C | A | TEXTC !*** BAD !TREE COMMAND! |
| | | 0A 0039E | 40C2C1C4 | A | |
| | | 0A 0039F | 407AF3D9 | A | |
| | | 0A 003A0 | C5C540C3 | A | |
| | | 0A 003A1 | D6D4D4C1 | A | |
| | | 0A 003A2 | D5C44040 | A | |
| 1311 | | 0A 003A3 | 6A0003D1 | | R0MTERR BAL,RO USRERR |
| 1312 | | 0A 003A4 | 295C5C5C | A | TEXTC !*** ELEMENT FILE IN TREE NOT IN E.F. LIST! |
| | | 0A 003A5 | 40C5D3C5 | A | |
| | | 0A 003A6 | D4C5D5E3 | A | |
| | | 0A 003A7 | 40C6C9D3 | A | |
| | | 0A 003A8 | C540C9D5 | A | |
| | | 0A 003A9 | 40E3D9C5 | A | |
| | | 0A 003AA | C540D5D6 | A | |
| | | 0A 003AB | E340C9D5 | A | |
| | | 0A 003AC | 40C54BC6 | A | |
| | | 0A 003AD | 4540D3C9 | A | |
| | | 0A 003AE | E2E34040 | A | |
| 1313 | | 0A 003AF | 6A0003D1 | | PARERR BAL,RO USRERR |
| 1314 | | 0A 003B0 | 2F5C5C5C | A | TEXTC !*** UNBALANCED PARENTHESIS - BAD TREE STRUCTURE! |
| | | 0A 003B1 | 40E4D5C2 | A | |

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OA 003B2 C1D3C1D5 A
 OA 003B3 C3C5C440 A
 OA 003B4 D7C1D9C5 A
 OA 003B5 D5E3C8C5 A
 OA 003B6 E2C9E240 A
 OA 003B7 6U40C2C1 A
 OA 003B8 C440F3D9 A
 OA 003B9 C5C540E2 A
 OA 003BA E3D9F4C3 A
 OA 003BB E3E4D9C5 A
 1315 OA 003BC 6A0003D1
 1316 OA 003BD 1F5C5C5C A
 OA 003BE 40D5D6E3 A
 OA 003BF 4UC2C1C3 A
 OA 003C0 D240F3D6 A
 OA 003C1 40D3C5E5 A
 OA 003C2 C5D340F0 A
 OA 003C3 40D6C640 A
 OA 003C4 E3D9C5C5 A
 1317 OA 003C5 6A0003DB
 1318 OA 003C6 2A5C5C5C A
 OA 003C7 4UC5D3C5 A
 OA 003C8 D4C5D5E3 A
 OA 003C9 4UC6C9D3 A
 OA 003CA C5E240C9 A
 OA 003CB D540C54B A
 OA 003CC C64B40D3 A
 OA 003CD C9E2F340 A
 OA 003CE D5D6F340 A
 OA 003CF C9D540E3 A
 OA 003D0 D9C5C540 A

LEVELERR BAL,RO
 TEXTC

USRERR
 !*** NOT BACK TO LEVEL 0 OF TREE!

EFERR BAL,RO
 TEXTC

0PERR
 !*** ELEMENT FILES IN E.F. LIST NOT IN TREE!

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1320 OA 003D1
 1321 OA 003D1 22300003 A
 1322 OA 003D2 45300000 X
 1323 OA 003D3 683003D6
 1324 OA 003D4 32200010 08
 1325 OA 003D5 0410001D 03
 1326 OA 003D6
 1327 OA 003D6 32100047 08
 1328 OA 003D7 751000CA 08
 1329 OA 003D8 2220006A A
 1330 OA 003D9 752200CA 08
 1331 OA 003DA 04200022 03
 03 00022 01000000 A
 03 00023 80000000 A
 03 00024 000000CA 08
 1332 OA 003DB
 1333 OA 003DB 04200025 03
 03 00025 01000000 A
 03 00026 80000000 A
 03 00027 80000000 A
 1334 OA 003DC 0480001C 03
 1335 OA 003DD 04900002 A
 1336 OA 00000
 OA 003DE 0A040308 A
 OA 003DF 000A000A A
 OA 003E0 0000001F A
 OA 003E1 10000000 A
 OA 003E2 00000000 A
 OA 003E3 80000000 A
 OA 003E4 03000002 A
 OA 003E5 000F0000 A
 OA 003E6 0000000F A
 OA 003E7 F0F0F0F0 A

USRERR EQU \$
 LI,R3 3
 CS,R3 M;SI
 BE ERRLIST
 LW,R2 INBUFSIZ
 CAL1,1 LLECHO
 ERRLIST EQU \$
 LW,R1 CURPOS
 STB,R1 SPACEOUT
 LI,R2 ' '
 STB,R2 SPACEOUT,R1
 MIPRINT (MESS,SPACEOUT)
 SPERR EQU \$
 MIPRINT (MESS,*R0)
 CAL1,8 FCPALL
 MIERR
 END LYNX

GIV THE USER AN ERROR MESSAGE
 IS SI ASSIGNED TO DEVICE
 YES: LAST CMD WILL HAVE BEEN ECHOD
 ECHO LAST LINE IF FROM FILE

CONTROL SECTION SUMMARY: 01 00000 PT 0 02 00000 PT 0 03 00028 PT 1 04 00033 PT 1
 05 00066 PT 1 06 0000C 3 PT 1 07 00033 PT 1 08 00111 PT 0
 09 00083 PT 1 0A 003E8 PT 1

* SYMBOL VALUES

ADDIDG/OA 0013E
 BADTREE/OA 0039C
 BLDTBL/OA 002A1
 CALLSACT/OA 001B3
 CFNAM/O8 0005F
 CHKLMPW/OA 0016B
 CLSSI/O3 0000B
 DECERR/OA 00383
 DWZER0/O9 0000E
 D4/0000000F
 ENDTREE/OA 00206
 ERRLIST/OA 003D6
 EXIT/OA 000FE
 FIELDBUF/O8 00035
 FBUNDEPT/OA 0019E
 GETR0MT/OA 000CU
 G0TR0M/OA 0021A
 INBUF/O8 00011
 INPLACE/OA 00224
 LIBM0DE/O8 00044
 LMNAME/O8 0006E
 L0CCTWD/OA04030B
 MARKLAST/OA 00227
 M0RER0MS/OA 001F9
 M0VER0MT/OA 000D1
 N0C0NTIN/OA 002F9
 N0LMN/OA 00184
 N0SYSLIB/OA 0009A
 N0TREERR/OA 00392
 0NEARG/OA 0005A
 0PENCFIL/OA 00068
 0PERR/OA 003DB
 0PTERS/OA 0024B
 0PTEXP/OA 00268
 0PT0B/OA 00298
 0PTRD/OA 00253

ADDR0M/OA 0010E
 BATCH/OA 0030E
 BLDTBL1/OA 002A2
 CCBUFMBS/O9 00000
 CFPASS/O8 00066
 CHK0NFLG/OA 00173
 C0NTINUE/OA 002FF
 DECTBL/O9 00063
 D1/0000000C
 EFERR/OA 003C5
 E0FERR/OA 0032E
 EVMBS/O9 0000C
 EXITCC/O8 0004D
 FIELDMBS/O9 00004
 GETACCT/OA 00124
 GETSYSLB/OA 00091
 HEXCNVRT/OA 002B0
 INBUFSIZ/O8 00010
 JOJ1ADD/OA 0022C
 LLECH0/O3 0001D
 LMNERR/OA 0035D
 L0CCT0/0000B001
 MAXFLDSIZ/00000030
 M0VECC/OA 0002E
 MYNAME/O8 0004E
 N0C0RE/OA 00324
 N0NBLANK/OA 002E0
 N0TIDG/OA 00114
 NUMERR/OA 0038B
 0NERR/OA 00368
 0PENIT/OA 00182
 0PTBI/OA 00239
 0PTERT/OA 00247
 0PTJO/OA 0022B
 0PT0R/OA 0028D
 0PTSL/OA 0024E

ADDSEG/OA 001C6
 BIASVALU/0000A000
 BLDXIT/OA 002AE
 CFACCT/O8 00063
 CHKC0NT/OA 002F3
 CHKPAREN/OA 001B4
 CURP0S/O8 00047
 DELCHARS/LIST
 D2/0000000D
 ENDINIT0/O8 00048
 E0FHIT/OA 00050
 EXALL/OA 000A1
 EXTBL/O8 000B7
 FIELDSIZ/O8 00034
 GETEV/OA 000AB
 GETUNSAT/OA 0008A
 HEXERR/OA 0037A
 INITZER0/O8 00041
 LASTENT/O8 0004C
 LMN/O8 0004F
 LMNMBS/O9 00008
 LYNX/OA 00000
 MAYBE/OA 001AF
 M0VEL00P/OA 00103
 NEW0VLY/OA 001FF
 N0E0FXIT/OA 002FA
 N0PASSWD/OA 0012F
 N0T0VER/OA 00150
 NXTDELIM/O8 0004B
 0NFLG/O8 00048
 0PENLM/O8 00068
 0PTC0UNT/00000032
 0PTEV/OA 00262
 0PTJ1/OA 00236
 0PT0S/OA 0028B
 0PTTSS/OA 00244

AT0F/O9 00016
 BLANKS/O9 0001A
 BREF1/OA 0029C
 CFILERR/OA 00349
 CHKDELIM/OA 00046
 CHKTREE/OA 00057
 DECCNVRT/OA 002C1
 DELIMITERS/TEXT
 D3/0000000E
 ENDR0MS/OA 0013C
 E0FXIT/OA 002FB
 EXECVEH/O8 00056
 FCPALL/O3 0001C
 FIND/OA 00212
 GETPASSWD/OA 00132
 GETWR/OA 00081
 HEXL00P/OA 002B4
 INIT1/OA 00033
 LEVELERR/OA 003BC
 LMNACCT/O8 00072
 LMNPASS/O8 00075
 MAINL00P/OA 00043
 MMDDYY/OA 00271
 M0VER/OA 000FF
 NEWSEG/OA 00204
 N0EV/OA 000AC
 N0R0MS/OA 0033D
 N0TREE/OA 000B8
 0KA/OA 002BB
 0NLIN0/OA 0002B
 0PENSI/O8 00059
 0PTERR/OA 00373
 0PTEX/OA 0025B
 0PTLB/OA 0023F
 0PT0SP/OA 0029E
 0PTWR/OA 00257

PARERR/OA 003AF
 PRBCOPT/OA 00195
 PZDRQ/OA 0005C
 READ1/OA 0031D
 R0MINDX/08 0004A
 R0MSRCH/09 0000A
 R2/00000002
 R6/00000006
 SAVEREGS/08 0000U
 SETFLINK/OA 0010E
 SIEBF/OA 00318
 SR1/00000008
 STORCNT/OA 00292
 TSTACK/0000A000
 TXTSYS/09 0002U
 TXTC:J1/09 00031
 TXTOVER/09 0002U
 USRERR/OA 003D1
 ZAPINBUF/09 00026
 3B/09 0002A
 #EXACCTS/08 00049
 #R0MS/08 00042

* EXTERNAL DEFINITIONS

LBCCT/0000B000
 0PMASKS/05 0000U
 PATCH/08 000DF

* PRIMARY REFERENCES

J:ACCN J:CCBUF

- * NO SECONDARY REFERENCES
- * NO UNDEFINED SYMBOLS
- * ERROR SEVERITY LEVEL: 0
- * NO ERROR LINES

PREPCHK/OA 0014A
 PR0CTREE/OA 001B7
 RDDISP/00000015
 REF1/OA 00291
 R0MLERR/OA 00353
 R0MTERR/OA 003A3
 R3/00000003
 R7/00000007
 SCANNER/OA 002CD
 SETSIZ1/OA 00075
 SKPBLNKS/OA 002DA
 SR2/00000009
 SYNERR/OA 00337
 TTBSREGS/09 00002
 TXT:TREE/09 00022
 TXTNEVER/09 00024
 TXTRUN/09 0002F
 WRAPUP/OA 00079
 ZAPINIT/09 00027
 3G/09 0002B
 #FIELDS/08 00043
 #SEGS/08 00049

LYNXPP/OA 00000
 0PNAMES/04 00000
 R0MT/0000B400

J:JIT

PREP0K/OA 00155
 PR0C1/OA 001A6
 READSI/03 0000D
 R0MADD/OA 0022D
 R0MMBS/09 00006
 R0/00000000
 R4/00000004
 SAVACCT/OA 00129
 SCANTREE/OA 001E4
 SETSIZ2/OA 00315
 SKPL00P/OA 002DB
 SR3/0000000A
 THISACCT/OA 00121
 TTBSTBL/09 00033
 TXTALL/09 0001C
 TXTNONE/09 0001E
 UNSAT/OA 00186
 WRITETBL/08 000A7
 ZER0/09 0000E
 3L/09 00029
 #0PTI0NS/08 00041
 #WRITES/08 000C8

LYNX00/08 00000
 0PNXTFLD/06 00000
 TREET/0000B200

J:PUF

M:EI

PR0CFLDS/OA 0010A
 PR0C2/OA 001AB
 READTBL/08 00097
 R0MFLAG/08 00045
 R0MSETUP/OA 0020D
 R1/00000001
 R5/00000005
 SAVEPASS/OA 00134
 SEGEND/OA 001EB
 SEVLEV/00000004
 SPACE0UT/08 000CA
 SR4/0000000B
 TREEFLAG/08 00046
 TXT0/09 0002C
 TXTC:J0/09 00030
 TXT0N/09 0002E
 UNSATTBL/08 00077
 ZAPFLDBUF/09 00028
 0T09/09 00018
 #DELIMS/00000007
 #READS/08 000C7

LYNX01/09 00000
 0PSU0RS/07 00000

M:LL

M:SI