

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

METASYM CI, LB, 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

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/BRG	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							

CALLSACT	401/M:READ	1249/M:WRITE					
CCBUFMS	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					
CHKCNT	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					
CHKONFLG	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				
CURPOS	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					

DFCTBL							
DFLCHARS	275-EQU	1153/CVA					
DELIMITERS	54-SET	55/SET	270/ORG	271/DATA			
DEVICE	53-SET	54/SET					
DWZERO	316/M:OPEN						
EFERR	239-EQU	300/LD	301/LD	302/LD	458/LD	637/LM	954/LD
ENDINITO	900/BNE	1317-BAL					
ENDR0MS	184-EQU	253/GEN					
ENDTREE	646/BNE	651-EQU					
EOFERR	871/B	894-EQU					
EOFHIT	342/B	648/B	686/B	761/B	786/B	822/B	880/B
EOFXIT	1050/B	1060/B	1115/B	1285-BAL			
ERRLIST	356/B	370-EQU	624/B	633/B	700/B	709/B	747/B
EVMBS	1183/BGE	1193/B	1226-EQU				
EXALL	1323/BE	1326-EQU					
EXECVEH	238-DATA	1026/LD					
EXIT	464/BEZ	470-EQU					
EXITCC	194-TEXTC	238/DATA	480/LM				
	552/BNEZ	555/BNE	569-EQU				
	191-DATA	1180/STCF	1204/LC	1214/STCF	1229/LC		

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							
	234=DATA	1207/LD					
FIELDSIZ							
	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							
	909=EQU	916/BDR					
FBOUNDPT							
	766/BE	769=EQU					
GETACCT							
	617/BE	622=EQU					
GETEV							
	469/B	475=EQU					
GETPASSWD							
	634/BCR	639=EQU					
GETROMT							
	495/B	505=EQU					
GETSYSLB							
	448/BEZ	452=EQU					
GETUNSAT							
	437/BEZ	444=EQU					
GETWR							
	428/BEZ	434=EQU					
GETROM							
	914/BE	918=EQU					
HEXCNVRT							
	973/BAL	980/BAL	985/BAL	991/BAL	996/BAL	1122=EQU	

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

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

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			
NEWBVLV	192-RES	345/STW	553/LW				
NEWSEG	881/BCS	885-EQU					
NOCNTIN	860/BE	891-EQU					
NOCORE	1219/BNE	1222-EQU					
NOE0FXIT	288/BCS	536/BCS	1283-BAL				
NOEV	1224-EQU	1266/B					
NOLMN	478/BAZ	483-EQU					

	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	82/D6	89/D6	89/D6	89/D6	89/D6	92/D6
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	312/BCS	327-EQU				
OPENCFIL	393/BEZ	398-EQU				
OPENIT	725/BEZ	730-EQU				

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

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	

RDDISP							
	59-EQU	426/LI					
READSI	319/CAL1	401-M:READ	1236/CAL1				
READTBL	218-RES	430/LI	1004/LI				
READ1	805/BAL	1268-EQU					
REF1	1075/BEZ	1078-LI					
R0MADD	948-EQU	970/B					
R0MFLAG	181-RES	595/MTW	652/MTW				
R0MINDX	188-DATA	898/LW	905/SW	931/MTW			
R0MLERR	600/BG	1293-BAL					
R0MMBS	235-DATA	611/LD					
R0MSETUP	825/BAL	883/BAL	903-EQU				
R0MSRCH	237-DATA	910/LD					
R0MT	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						
R0MTERR	917/B	1311-BAL					
S:NUMC	55/SET	83/ERROR					
S:UT	54/SET						
SAVACCT	621/B	628-EQU					

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
THISACCT	612-EQU	625/BCS					
TREEFLAG	182-RFS	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					
TTBSTBL	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							

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							

#READS	177-RES	373/MTW	770/MTW					
#R8MS	221-DATA	427/LW	1003/LI					
#SEGS	178-RES	371/MTW	509/LW	524/LW	605/LW	644/MTW	899/CW	
#WRITES	904/LW	949/LW	952/MTW					
	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 LBCCT,
*  ROM, AND TREF TABLES, AND CALLS THE OVERLAY LOADER.
*  MAY BE USED BOTH ONLINE AND BATCH.
*
*****

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```

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

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*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

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30 REF  MISI
31 REF  MILL
32 REF  MIEI
33 REF  JIJIT
34 REF  JICCBUF
35 REF  JIPIUF
36 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 800
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          00040200          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          00000000          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
    
```

H01 13144 SEP 08, 175

98
99
100
101
102
103
104
105
106
107
108
109
110
111

DATA VAL,MSK BUILD MASK,VAL TBL (FOR 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'
    
```

N&P

N&P

	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	

	05	0001E	00000800	A			
	05	0001F	00000800	A			
	06	00003	00	A			
	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	'SS',6,0,1	OUTPUT SIZE SUMMARY
	05	00022	00000000	A			
	05	00023	02000000	A			
	06	00004	00	A			
	07	00011	00000000	A			
133	04	00012	E3404040	A	OPTION	'T',28,0,1	MAKE LMN A TFILE (NOT SAYING PERM)
	05	00024	00000000	A			
	05	00025	00000008	A			
	06	00004	00	A			
	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	00	A			
	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	00	A			
	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	OPTIEN	'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	OPTIEN	'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	OPTIEN	'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	OPTIEN	'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	OPTIEN	'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	OPTIEN	'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	OPTIEN	'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	OPTIEN	'LDEF',16,1,0	
	05	0004A	00008000	A			

	05	0004B	00008000	A		
	06	00009	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	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	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	OA		
156	04	00029	D7C14040	A	OPTION	'PA',17,1,0 MAKE A PAGED LM
	05	00052	00004000	A		
	05	00053	00004000	A		
	06	0000A	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	01	A		
	07	0002A	0000253	OA		
158	04	0002B	E6D94040	A	OPTION	'WR',,,,1,OPTWR WRITE ACCTS (WR,ACCT,...)
	05	00056	00000000	A		
	05	00057	00000000	A		
	06	0000A	01	A		
	07	0002B	0000257	OA		
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	C5E34040	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 08 00000 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 08 00035 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 00000000 A 0NFLG DATA 0 SET IF !0N! PREPOSITION USED (BATCH)
187 08 00049 00000000 A #SEGS DATA 0 # OF SEGMENTS TO PR0G.
188 08 0004A 00000000 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 00000000 A EXITCC DATA 0
192 08 0004E MYNAME RES 1
193 08 0004F LMN RES 7
194 08 00056 0FC6C5E3 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 X1141,MISI
196 08 0005A C1000001 A GEN,8,24 X1C11,1 ERR,ABN,ACCESS, TYPE=FILE
197 08 0005B 00000349 0A DATA CFILERR,CFILERR
08 0005C 00000349 0A
198 08 0005D 00000001 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	OR	00062	02000202	A		GEN,8,8,8,8	2,0,2,2
202	OR	00063			CFACCT	RES	2
203	OR	00065	03010002	A		GEN,8,8,8,8	3,1,0,2
204	OR	00066			CFPASS	RES	2
205	OR	00068	14000000	N	BPENLM	GEN,8,24	X1141,MIEI
206	OR	00069	C1000001	A		GEN,8,24	XIC11,1
207	OR	0006A	00000184	OA		DATA	N0LMN,N0LMN
	OR	0006B	00000184	OA			
208	OR	0006C	00000001	A		DATA	1
209	OR	0006D	01000303	A		GEN,8,8,8,8	1,0,3,3
210	OR	0006E			LMNAME	RES	3
211	OR	00071	02000202	A		GEN,8,8,8,8	2,0,2,2
212	OR	00072			LMNACCT	RES	2
213	OR	00074	03010002	A		GEN,8,8,8,8	3,1,0,2
214	OR	00075			LMNPASS	RES	2
215		OR	00077		UNSATTBL	EQU	8
216	OR	00077				DB1	8*4
217	OR	00077	00000000	A		DATA	0
	OR	00078	00000000	A			
	OR	00079	00000000	A			
	OR	0007A	00000000	A			
	OR	0007B	00000000	A			
	OR	0007C	00000000	A			
	OR	0007D	00000000	A			
	OR	0007E	00000000	A			
	OR	0007F	00000000	A			
	OR	00080	00000000	A			
	OR	00081	00000000	A			
	OR	00082	00000000	A			
	OR	00083	00000000	A			
	OR	00084	00000000	A			
	OR	00085	00000000	A			
	OR	00086	00000000	A			
	OR	00087	00000000	A			
	OR	00088	00000000	A			
	OR	00089	00000000	A			
	OR	0008A	00000000	A			

ROOM FOR 8 UNSAT ACCOUNTS

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

227 OR 000DF

PATCH RES 50

HANDY THING TO HAVE AROUND

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249 09 00021 40404040 A
 09 00022 7AE3D9C5 A
 09 00023 C5404040 A
 250 09 00024 D5C5F5C5 A
 09 00025 D9404040 A
 251
 252 09 00026 8C000044 08
 253 09 00027 1C000104 08
 254 09 00028 300000D4 08
 255 09 00029 030000D3 A
 256 09 0002A 030000C2 A
 257 09 0002B 030000C7 A
 258 09 0002C 5B404040 A
 259 09 0002D D6E5C5D9 A
 260 09 0002E D6D54040 A
 261 09 0002F D9E4D540 A
 262 09 00030 037AD1F0 A
 263 09 00031 06D4D6D5 A
 09 00032 E2E3D240 A
 264 09 00033
 265 09 00033 00000000 A
 266 09 00034 00000000 A
 09 00035 00000000 A
 09 00036 00000000 A
 09 00037 00000000 A
 09 00038 00000000 A
 09 00039 00000000 A
 09 0003A 00000000 A
 09 0003B 00000000 A
 09 0003C 00000000 A
 09 0003D 00000000 A
 09 0003E 00000000 A
 09 0003F 00000000 A
 09 00040 00000000 A
 09 00041 00000000 A
 09 00042 00000000 A

TXT;TREE TEXT !;TREE!
 TXTNEVER TEXT !NEVER!
 * END OF DOUBLEWORD BOUNDARY DATA
 ZAPINBUF GEN,8,24 140,BA(INBUF)
 ZAPINIT GEN,8,24 4*(ENDINITO=INITZER0),BA(INITZER0)
 ZAPFLDBUF GEN,8,24 MAXFLDSIZ,BA(FIELDBUF)
 3L GEN,24,8 X'030000',!L!
 3B GEN,24,8 X'030000',!B!
 3G GEN,24,8 X'030000',!G!
 TXT\$ TEXT !\$!
 TXTOVER TEXT !OVER!
 TXTBN TEXT !BN!
 TXTRUN TEXT !RUN !
 TXTC:JO TEXTC !;JO!
 TXTC:J1 TEXTC !MONSTK!

TTBSTBL EQU *
 DB1 64
 DATA 0

TTBS TABLE FOR SCANNER

H01 13:44 SEP 08, 175

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 4B A
 09 00046 1
 09 00046 1
 09 00046 1 4D A
 09 0004A 1
 09 0004A 1
 09 0004A 1 5D A
 09 0004A 2
 09 0004A 2
 09 0004A 2 5E A
 09 0004B
 09 0004B
 09 0004B 6D A
 09 0004D 3
 09 0004D 3
 09 0004D 3 6E A
 273 09 00073

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

274
 275 09 00063
 276 09 00073 0U001F40 A
 09 00074 0U000FA0 A
 09 00075 0U0007D0 A
 09 00076 0U0003E8 A
 277 09 00077 0U000320 A
 09 00078 0U000190 A
 09 00079 0U0000C8 A
 09 0007A 0U000064 A
 278 09 0007B 0U000050 A
 09 0007C 0U000028 A
 09 0007D 0U000014 A
 09 0007E 0U00000A A
 279 09 0007F 0U000008 A
 09 00080 0U000004 A
 09 00081 0U000002 A
 09 00082 0U000001 A

DECTBL LBCAL
 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

Line	Code	Address	Mode	Label	Op	Comment
281				MIPT	1	
282	0A	00000		CSECT	1	
283		0A 0000U		EQU	*	
284	0A	00000	04800000	MIGVP	L0CCT	GET MEMORY FOR WORK AREA
	03	00000	0400B000			
285	0A	00001	04800001	MIGVP	TREET	
	03	00001	0400B200			
286	0A	00002	04800002	MIGVP	R0MT	
	03	00002	0400B400			
287	0A	00003	04800003	MIGVP	R0MT+X'200'	
	03	00003	0400B600			
288	0A	00004	69800324	BCS,8	N0C0RE	RIDICULOUSLY SMALL CORE ALLOCATION
289	0A	00005	321003DE	LW,R1	=L0CCTWD	GET WD1 OF L0CCT (BUILT BY OPTION1)
290	0A	00006	3510B001	STW,R1	L0CCT0	& TUCK IT AWAY
291	0A	00007	65100000	INT,R1	J:JIT	GET SYSID
292	0A	00008	2220A000	LI,R2	BIASVALU	GET DEFAULT BIAS
293	0A	00009	02200020	LCI	2	
294	0A	0000A	2510B004	STM,R1	L0CCT0+3	INITIALIZE SYSID,REF CNT,BIAS IN L0C
295	0A	0000B	25100008	SLS,R1	8	
296	0A	0000C	49100029	BR,R1	3L	MAKE 'SYSID L1' DEFAULT LMN
297	0A	0000D	1220001A	LD,R2	BLANKS	FILL OUT LMN WITH BLANKS
298	0A	0000E	02200020	LCI	2	
299	0A	0000F	2A400000	LM,R4	J;ACCN	USER ACCOUNT
300	0A	00010	1260000E	LD,R6	DWZER0	DEFAULT LMN PASSWORD
301	0A	00011	1280000E	LD,SR1	DWZER0	DEFAULT EXPIRE DATE
302	0A	00012	12A0000E	LD,SR3	DWZER0	DEFAULT LIBRARY PASSWORD
303	0A	00013	12C0001C	LD,D1	TXTALL	DEFAULT READ ACCT
304	0A	00014	12E0001E	LD,D3	TXTN0NE	DEFAULT WRITE ACCT
305	0A	00015	22010001	LI,R0	X'10001'	0NE READ & 0NE WRITE ACCOUNT IN L0CC
306	0A	00016	02200000	LCI	0	
307	0A	00017	2500B00A	STM,R0	L0CCT0+9	INITIALIZE BIG CHUNK OF L0CCT
308	0A	00018	22610000	LI,R6	X'10000'	# OF DEFAULT EXECUTE ACCOUNTS
309	0A	00019	02200020	LCI	2	
310	0A	0001A	2560B006	STM,R6	L0CCT0+5	ZAP FIELDS UNUSED BY CPV
311	0A	0001B	321003DF	LW,R1	=X'A000A'	DEFAULT ERSTACK, ERTABLE SIZES
312	0A	0001C	3510B008	STW,R1	L0CCT0+7	
313	0A	0001D	22104000	LI,R1	X'4000'	

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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	M:OPEN	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	ONLINE	
319	OA	00023	0410000D	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	MOVECC	
327	OA	0002B			EQU	\$	
328	OA	0002B	04100007	03	M:PC	'>'	
		03	00007	A			
329	OA	0002C	72700000	X	LB,R7	J:PUF	
330	OA	0002D	207FFFFFF	A	AI,R7	=1	DONIT COUNT 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	MOVE 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	EOFERR	THIS SHOULD BE IMPOSSIBLE
343	OA	00038	69100337		BCS,1	SYNERR	DIDN'T 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 OPTIONS
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	EGU	*	
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	15000000	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	2510005F	08		STM,R1	CFNAM
390	OA	00060	02200020	A		LCI	2
391	OA	00061	25400063	08		STM,R4	CFACCT
392	OA	00062	20600000	A		AI,R6	0
393	OA	00063	68300068			BEZ	OPENCFIL
394	OA	00064	02200020	A		LCI	2
395	OA	00065	25600066	08		STM,R6	CFPASS
396	OA	00066	22100200	A		LI,R1	X'0200'
397	OA	00067	47100065	08		STS,R1	CFPASS=1
398	OA	00068			OPENCFIL	EGU	*
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	X'1F0'
403	OA	0006C	45100005	N		AND,R1	M:SI+5
404	OA	0006D	21100020	A		CI,R1	X'20'
405	OA	0006E	68300075			BE	SETSIZ1
406	OA	0006F	72100011	08		LB,R1	INBUF
407	OA	00070	451003E0			AND,R1	=X'1F'

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

MO1

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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 \$
 LH,R7 M;SI+4
 SLS,R7 -1
 MTW,1 BNFLG
 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 ACNTS 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	DWZER8	
459	OA	00097	02200040 A		LCI	4	
460	OA	00098	2522B001 A		STM,R2	L0CCT0,R1	MOVE INTO L0CCT
461	OA	00099	20100004 A		AI,R1	4	
462	OA	0009A		NBSYSLIB	EGU	*	
463	CA	0009A	322000C9 08		LW,R2	#EXACCTS	GET # OF EXECUTE ACCOUNTS
464	CA	0009B	683000A1		BEZ	EXALL	NONE...DEFAULT TO 'ALL'
465	CA	0009C	5520B006 A		STH,R2	L0CCT0+5	PRESERVE COUNT IN L0CCT
466	CA	0009D	220000B7 08		LI,R0	EXTBL	
467	CA	0009E	22A00002 A		LI,SR3	2	# OF WORDS PER ENTRY
468	CA	0009F	6A8000FF		BAL,SR4	MOVEV	MOVE TO L0CCT
469	CA	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	CA	000B0	32200049 08		LW,R2	#SEGS	# OF SEGMENTS
489	CA	000B1	32300002 A		LW,R3	R2	
490	CA	000B2	2330000B A		MI,R3	11	GET TREE TABLE SIZE
491	CA	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					
497	OA	000B8	2220000B	A	NOTREE	EGU	\$
498	OA	000B9	02200030	A	LI,R2	11	TOTAL # OF WORDS IN TREET
499	OA	000BA	2A30B00B	A	LCI	3	
500	OA	000BB	02200080	A	LM,R3	LOCCT0+10	SEGNAME = LMN IF NOT OVERLAID
501	OA	000BC	2A60000E	09	LCI	8	
502	OA	000BD	022000C0	A	LM,R6	ZER0	
503	OA	000BE	2822B000	A	LCI	12	
504	OA	000BF	2U10000B	A	STM,R2	LOCCT0=1,R1	MOVE TREE TABLE TO LOCCT
505	OA	000C0			AI,R1	11	
506	OA	000C0	3510B002	A	GETR0MT	EGU	\$
507	OA	000C1	33000046	08	STW,R1	LOCCT0+1	SAVE DISP TO R0MT IN LOCCT
508	OA	000C2	693000D1		MTW,0	TREEFLAG	DID 'PROCTREE' MARK LAST R0MS
509	OA	000C3	32300042	08	BNEZ	MOVER0MT	YES
510	OA	000C4	2U3FFFFF	A	LW,R3	#R0MS	
511	OA	000C5	23300007	A	AI,R3	=1	
512	OA	000C6	22400000	A	MI,R3	7	
513	OA	000C7	22500040	A	LI,R4	0	
514	OA	000C8	4746B402	A	LI,R5	X:40'	
515	OA	000C9	21300000	A	STS,R4	R0MT+2,R3	MARK LAST R0M IN SEG
516	OA	000CA	693000D1		CI,R3	0	IS THERE ONLY ONE IR0M?
517	OA	000CB	5230B001	A	BNE	MOVER0MT	NO, MORE THAN ONE SPECIFIED.
518	OA	000CC	21300040	A	LM,R3	LOCCT0	GET LOCCT FLAGS
519	OA	000CD	684000D1		CI,R3	X:40'	IS THIS A IMAP ONLY?
520	OA	000CE	02200070	A	BAZ	MOVER0MT	NOPE
521	OA	000CF	2A20B400	A	LCI	7	YEP! SO 'R0M' IS ACTUALLY 'LMN',
522	OA	000D0	2820B00B	A	LM,R2	R0MT	...SO MOVE ITS NAME INTO THE...
523	OA	000D1			STM,R2	LOCCT0+10	...LMN FIELD OF THE LOCCT.
524	OA	000D1	32200042	08	MOVER0MT	EGU	
525	OA	000D2	2200B400	A	LW,R2	#R0MS	
526	OA	000D3	22A00007	A	LI,R0	R0MT	
527	OA	000D4	6AB000FF		LI,SR3	7	
528	OA	000D5	3510B000	A	BAL,SR4	MOVER	MOVE R0M TABLE INTO LOCCT
					STW,R1	LOCCT	SAVE SIZE OF ALL TABLES

529	0A	000D6	02200070	A	LCI	7	
530	0A	000D7	2A20B00B	A	LM,R2	L0CCT0+10	
531	0A	000D8	2020004F	08	STM,R2	LMN	REMEMBER LMN
532	0A	000D9	201001FF	A	AI,R1	511	
533	0A	000DA	25100077	A	SLS,R1	=9	# OF PAGES IN L0CCT TABLES
534	0A	000DB	491003E2	A	BR,R1	=X10C1**24	MAKE AN MIGCP FPT
535	0A	000DC	04800001	A	CAL1,8	R1	AND GET SOME COMMON PAGES
536	0A	000DD	69800324	A	BCS,8	NBCORE	0H=0H
537	0A	000DE	3210B000	A	LW,R1	L0CCT	COPY ENTIRE TABLE INTO COMMON
538	0A	000DF	3232B000	A	LW,R3	L0CCT,R1	
539	0A	000E0	85320009	A	STW,R3	*SR2,R1	
540	0A	000E1	641000DF	A	BDR,R1	=2	
541	0A	000E2	3230B000	A	LW,R3	L0CCT	
542	0A	000E3	85300009	A	STW,R3	*SR2	
543	0A	000E4	04800013	03	MIFVP	L0CCT	
	03	00013	0500B000	A			
544	0A	000E5	04800014	03	MIFVP	TREET	FREE ALL DYNAMIC PAGES
	03	00014	0500B200	A			
545	0A	000E6	04800015	03	MIFVP	R0MT	
	03	00015	0500B400	A			
546	0A	000E7	04800016	03	MIFVP	R0MT+X12001	
	03	00016	0500B600	A			
547	0A	000E8	321003E3	A	LW,R1	=X1801**24	SET FLAG IN L0CCT TO LET...
548	0A	000E9	C7100009	A	STS,R1	*SR2	...LOADER KNOW TO RETURN
549	0A	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	0A	000EB	0480001C	03	,FCPALL MIFCP	255	FREE ALL COMMON PAGES
	03	0001C	000000FF	A			
551	0A	000EC	20F00000	A	AI,D4	0	IF D4 NOT=0, THE LOAD WAS BAD
552	0A	000ED	693000FE	A	BNEZ	EXIT	SO JUST EXIT
553	0A	000EE	3210004E	08	LW,R1	MYNAME	WERE WE ENTERED VIA 'RUN'
554	0A	000EF	3110002F	09	CW,R1	TXTRUN	
555	0A	000F0	693000FE	A	BNE	EXIT	NO

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 A480000C 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

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 EQU *
 STD,SR3 SAVEREGS+SR3
 LW,D4 SR3
 SCS,D4 =4
 LI,R3 0
 MOVELOOP EQU *
 LC D4
 LM,R4 *R0,R3
 STM,R4 LBCCT0,R1
 AW,R1 SAVEREGS+SR3
 AW,R3 SAVEREGS+SR3
 BDR,R2 MOVELOOP
 B *SAVEREGS+SR4

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

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 R0M 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 R0M 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 'S'
 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 6A8002CD
 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 J,JIT
 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

H01 13:44 SEP 08, '75

695 OA 00161 75100003 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 33000048 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 OA 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 OA 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
EQU *
CI,SR1 1.1
BNE CHKONFLG
BAL,SR4 SCANNER
B EBFHIT
BCS,1 CHKONFLG
LCI 2
LM,R2 FIELDBUF
STM,R2 LBCCTO+15
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
EQU *
CAL,1 OPENLM

CHKLMPW

CHKONFLG

OPENIT

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
 734 OA 00184 32800000 08
 735 OA 00185 68000046

NBLMN

B
 EQU
 LW,SR1
 B
 0NERR
 *
 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 33108009 A
 744 OA 0018C 21800048 A
 745 OA 0018D 69300046
 746 OA 0018E 6A8002CD
 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
*
PR0C0PT  EQU      $
          BAL,SR4  SCANNER
          B        EBFERR
          BCS,1    SYNERR
          LI,R1    OPTCOUNT
          LW,R2    FIELDBUF
          CW,R2    OPNAMES,R1
          BE       FBOUND0PT
          BDR,R1   *-2
          B        OPTERR
          FBUND0PT EQU      $
          MTW,1    #OPTIONS
          LD,R2    OPMASKS,R1
          STS,R2   LOCCT0
          LB,R2    OPNXTFLD,R1
          BNEZ     PR0C1
          LW,R7    OPSUBRS,R1
          BNEZ     CALLSACT
          B        CHKPAREN
          PR0C1    EQU      $
          LW,R7    OPSUBRS,R1
          AI,R2    =1
          BNEZ     MAYBE
          CI,SR1   1,1
          BNE      SYNERR
          PR0C2    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 LOCCT
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

13:44 SEP 08, 1975

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       R0MT=7,R2
      LCI         7
      LM,R7       ZERO
*      SET BLINKS AN WAY 'IN'
      LW,R6       *LASTENT
      LW,D4       R2
      AI,D4       =7
      STH,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

13:44 SEP 08, '75

54

838	OA	001D6	8230A000	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	8510A000	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	8510A000	A	STW,R1	*TSTACK	NEW TOP OF STACK
850	OA	001DF	8230004C	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			SEGEND 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	SEGEND	END OF ANOTHER SEGMENT

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875	OA	001F6	2180006B	A	CI,SR1	1,1	PARALELL SEGMENT
876	OA	001F7	683001C6		BE	ADDSEG	
877	OA	001F8	68000337		B	SYNERR	
878		OA	001F9		M0RER0MS EQU	*	
879	OA	001F9	6AB002CD		BAL,SR4	SCANNER	WE MIGHT HAVE THE START OF A ...
880	OA	001FA	6800032E		B	EFERR	... NEW OVERLAY, OR ANOTHER ROM.
881	OA	001FB	691001FF		BCS,1	NEW0VLY	NEW OVERLAY BEING DEFINED
882	OA	001FC	3580004B	08	STW,SR1	NXTDELIM	
883	OA	001FD	6AB0020D		BAL,SR4	ROMSETUP	ANOTHER ROM FOR THIS SEGMENT
884	OA	001FE	680001E4		B	SCANTREE	
885		OA	001FF		NEW0VLY EQU	*	
886	OA	001FF	2180004D	A	CI,SR1	1,1	MAKE SURE SYNTAX IS CORRECT
887	OA	00200	69300337		BNE	SYNERR	ITS NOT
888	OA	00201	223FFFFFF	A	LI,R3	=1	NULL ENTRY FOR...
889	OA	00202	0930A000	A	PSW,R3	TSTACK	...NEW TOP OF STACK
890	OA	00203	3310004C	08	MTW,1	LASTENT	
891		OA	00204		NEWSEG EQU	*	
892	OA	00204	6AB00227		BAL,SR4	MARKLAST	MARK ROM AS 'LAST' IN SEG
893	OA	00205	680001C6		B	ADDSEG	& GO TO WORK ON NEW SEGMENT
894		OA	00206		ENDTREE EQU	*	
895	OA	00206	6830A001	A	INT,R3	TSTACK+1	
896	OA	00207	21300002	A	CI,R3	2	
897	OA	00208	693003BC		BNE	LEVELERR	WE DIDN'T GET BACK TO TOP LEVEL
898	OA	00209	3230004A	08	LW,R3	ROMINDX	
899	OA	0020A	31300042	08	CW,R3	#R0MS	
900	OA	0020B	693003C5		BNE	EFERR	NOT ENOUGH EFIS IN TREE COMMAND
901	OA	0020C	68000079		B	WRAPUP	...THAT'S IT.
903		OA	0020D		ROMSETUP EQU	*	
904	OA	0020D	32400042	08	LW,R4	#R0MS	# OF ROMS LEFT TO SEARCH
905	OA	0020E	3840004A	08	SW,R4	ROMINDX	COPY CURRENT ROM DISP.
906	OA	0020F	32300002	A	LW,R3	R2	MAKE IT A BYTE DISP.
907	OA	00210	25300002	A	SLS,R3	2	
908	OA	00211	32500034	08	LW,R5	FIELDsiz	
909		OA	00212		FIND EQU	*	

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
914	OA	00216	6830021A		BE	G0TR0M
915	OA	00217	2030001C	A	AI,R3	7**2
916	OA	00218	64400212		BDR,R4	FIND
917	OA	00219	680003A3		B	R0MTERR
918	OA	0021A			EQU	*
919	OA	0021A	2530007E	A	SLS,R3	=2
920	OA	0021B	31300002	A	CW,R3	R2
921	OA	0021C	68300224		BE	INPLACE
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			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
936	OA	00228	22500040	A	LI,R5	X1401
937	OA	00229	4744B3FB	A	STS,R4	R0MT=5,R2
938	OA	0022A	E800000B	A	B	*SR4

FIND R0M IN R0M TABLE

ADVANCE TO NEXT ENTRY

R0M NOT IN EF LIST

BACK TO WORD DISP.

DON'T NEED TO MOVE IT

MARK LAST MOVED R0M ENTRY...
... AS LAST IN SEGMENT.

```

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.
          *
          *PTJ0      EQU      *           'J0'
          LW,R1      TXTCIJ0      ADD J0 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      X:40'      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 MONSTK 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    HEXCNVRT   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			OPTTSS	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			OPTERT	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			OPTERS	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			OPTSL	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			OPTRD	EQU	*	'RD,ACCNT,...' READ ACCOUNTS
1003	OA	00253	221000C7	08	LI,R1	#READS		
1004	OA	00254	22700097	08	LI,R7	READTBL		PTRS TO # OF ENTRIES & TABLE...
1005	OA	00255	6AA002A1		BAL,SR3	BLDTBL		TO BE USED BY BLDTBL.

1006 OA 00256 E800000B A

B *SR4

1008 OA 00257
 1009 OA 00257 221000C8 08
 1010 OA 00258 227000A7 08
 1011 OA 00259 6AA002A1
 1012 OA 0025A E800000B A

OPTWR EQU \$
 LI,R1 #WRITES
 LI,R7 WRITETBL
 BAL,SR3 BLDTBL
 B *SR4

!WR,ACCNT,....! WRITE ACCOUNTS

1014 OA 0025B
 1015 OA 0025B 221000C9 08
 1016 OA 0025C 227000B7 08
 1017 OA 0025D 6AA002A1
 1018 OA 0025E 12C0001E 09
 1019 OA 0025F 02200020 A
 1020 OA 00260 25C0B016 A
 1021 OA 00261 E800000B A

OPTEX EQU \$
 LI,R1 #EXACCTS
 LI,R7 EXTBL
 BAL,SR3 BLDTBL
 LD,D1 TXTNONE
 LCI 2
 STM,D1 LACCCT0+21
 B *SR4

MOVE EXECUTE ACCTS TO !EXTBL!
 AND CHANGE DEFAULT READ ACCNT
 TO !NONE!

1023 OA 00262
 1024 OA 00262 32100034 08
 1025 OA 00263 20100001 A
 1026 OA 00264 1220000C 09
 1027 OA 00265 75100003 A
 1028 OA 00266 61200000 A
 1029 OA 00267 E800000B A

OPTEV EQU \$
 LW,R1 FIELDSIZ
 AI,R1 1
 LD,R2 EVMBS
 STB,R1 R3
 MBS,R2 0
 B *SR4

SET UP FOR MBS OF VEHICLE NAME

1031 OA 00268
 1032 OA 00268 2180005D A
 1033 CA 00269 69300271
 1034 OA 0026A 02200020 A
 1035 OA 0026B 2A200035 08
 1036 OA 0026C 11200024 09
 1037 OA 0026D 69300337
 1038 OA 0026E 02200020 A

OPTEXP EQU \$
 CI,SR1 1)1
 BNE MMDDYY
 LCI 2
 LM,R2 FIELDBUF
 CD,R2 TXTNEVER
 BNE SYNERR
 LCI 2

!EXP, JUNK, EXPIRE DATE
 IS THERE ONLY ONE ARG.
 NO

ONLY GOOD OPTION IS 'NEVER'

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1039 OA 0026F 2520B012 A
 1040 OA 00270 E800000B A
 1041 OA 00271 MMDDYY
 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

MMDDYY

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
 STH,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

M0VE IT T0 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 PR0G, SET OVERLAID LM FLAG

1073 OA 0028U

OPT0R

EQU \$

10R1 / 10R,NUM1 REF MODE OVERLAY

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1074	OA	0028D	33000034	08	MTW,0	FIELDSIZ	WAS INUM! OPTION PRESENT
1075	OA	0028E	68300291		BEZ	REF1	NO
1076	OA	0028F	6AA002C1		BAL,SR3	DECCNVRT	CONVERT DECIMAL # TO HEX
1077	OA	00290	68000292		B	STORCNT	
1078	OA	00291	22900016	A	REF1	LI,SR2	DEFAULT REF MODE TABLE SIZE
1079	OA	00292			STORCNT	EQU	*
1080	OA	00292	55900002	A	STH,SR2	R2	
1081	OA	00293	25200001	A	SLS,R2	1	ALIGN TO LOCCT POSITION
1082	OA	00294	223E0000	A	LI,R3	X:EO000!	SIGN EXTENSION MAKES THIS WORK
1083	OA	00295	4720B005	A	STS,R2	LBCCTO*4	
1084	OA	00296	33100046	08	MTW,1	TREEFLAG	SET OVERLAID LM FLAG
1085	OA	00297	E800000B	A	B	*SR4	
1087	OA	00298			BPT0B	EQU	*
1088	OA	00298	33000034	08	MTW,0	FIELDSIZ	10B! / 10B,NUM! BREF MODE OVERLAY
1089	OA	00299	6830029C		BEZ	BREF1	WAS OPTION PRESENT
1090	OA	0029A	6AA002C1		BAL,SR3	DECCNVRT	NO
1091	OA	0029B	68000292		B	STORCNT	
1092	OA	0029C	2290000B	A	BREF1	LI,SR2	11
1093	CA	0029D	68000292		B	STORCNT	
1095	OA	0029E			BPT0SP	EQU	*
1096	OA	0029E	22110000	A	LI,R1	X:10000!	
1097	OA	0029F	4710B004	A	STS,R1	LBCCTO+3	FLAG TO MOVE CSECTO TO ROOT
1098	CA	002A0	E800000B	A	B	*SR4	

1100			*			
1101			*			
1102			*			
1103		OA 002A1	BLDTBL	EGU	*	
1104	OA	002A1 35B0000B 08		STW,SR4	SAVEREGS+SR4	
1105		OA 002A2	BLDTBL1	EGU	*	
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 A5340007 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	GET ANOTHER FIELD
1117	OA	002AD 68000337		B	SYNERR	SHOULDNIT HAVE HIT ANOTHER DELIM.
1118		OA 002AE	BLDXIT	EGU	*	
1119	OA	002AE 32B0000B 08		LW,SR4	SAVEREGS+SR4	
1120	OA	002AF E800000A A		B	*SR3	
1122		OA 002B0	HEXCNVRT	EGU	*	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	EGU	*	
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	0KA	
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	0KA	EGU	*	

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1136 OA 002BB 20300009 A
 1137 OA 002BC 4#3003E6
 1138 OA 002BD 49900003 A
 1139 OA 002BE 20100001 A
 1140 OA 002BF 642002B4
 1141 OA 002C0 E#00000A A

AI,R3 9
 AND,R3 *XIF1
 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 E#00000A A

DECCNVRT EQU *
 LW,R1 FIELDSIZ
 CI,R1 4
 BG NUMERR
 LW,R2 *XIFOFOFOfO!
 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

TOO MANY DIGITS

ILLEGAL DECIMAL #


```

1157
1158
1159
1160
1161
1162
1163
1164
1165
1166
1167
1168
1169
1170
1171
1172      OA 002CD
1173      OA 002CD      02200030 A
1174      OA 002CE      25100001 08
1175      OA 002CF      32100028 09
1176      OA 002D0      61000068 09
1177      OA 002D1      22100000 A
1178      OA 002D2      35100034 08
1179      OA 002D3      02200010 A
1180      OA 002D4      7400004D 08
1181      OA 002D5      32100047 08
1182      OA 002D6      31100010 08
1183      OA 002D7      681002FB
1184      OA 002D8      32200010 08
1185      OA 002D9      38200047 08
1186      OA 002DA
1187      OA 002DA      22800040 A
1188      OA 002DB
1189      OA 002DB      71820011 08
1190      OA 002DC      693002E0
1191      OA 002DD      20100001 A
1192      OA 002DE      642002DB
1193      OA 002DF      680002FB

```

```

*****
*
*              SCANNER
*
*  CALLING SEQUENCE:  BAL,SR4  SCANNER
*  NO ARGUMENTS.
*  RETURNS TO BAL+1 IF EOF ENCOUNTERED.
*  OTHERWISE RETURNS TO BAL+2 WITH:
*  CC1=0 IF FIELD FOUND
*              FIELD IN FIELDBUF, & COUNT IN FIELDCNT
*              SR1 = TERMINATING DELIMITER.
*  CC1=1 IF 1ST CHAR HIT WAS A DELIMITER(NON-BLANK)
*              SR1 = FOUND DELIMITER.
*  NO VOLATILE REGISTERS BESIDES SR1.
*****
SCANNER  EQU      $
          LCI      5
          STM,R1   SAVEREGS+R1
          LW,R1    ZAPFLDBUF
          MBS,R0   BA(BLANKS)          CLEAR FIELD BUFFER
          LI,R1    0
          STW,R1   FIELDSIZ           AND FIELD SIZE
          LCI      1
          STCF     EXITCC             EXITCC=1 WILL MEAN FIELD NOT FOUND
          LW,R1    CURPOS             GET CURRENT POSITION IN INBUF
          CW,R1    INBUFSIZ
          BGE      EOFXIT             EOF-RAN INTO END OF INBUF.
          LW,R2    INBUFSIZ
          SW,R2    CURPOS             # OF CHARS LEFT IN INBUF
SKPBLNKS EQU      $
          LI,SR1   X'40'             NOTE: BLANK IS DEFAULT DELIM. IF ...
SKPL00P  EQU      $
          CB,SR1   INBUF,R1         ...EOF TERMINATES FIELD.
          BNE      NONBLANK         ADVANCE TO 1ST NON-BLANK
          AI,R1    1
          BDR,R2   SKPL00P
          B        EOFXIT           EOF HIT (ALL BLANKS)

```

1194	OA	002E0		NONBLANK	EGU	#
1195	OA	002E0	12400002	09	LD,R4	TTBSREGS
1196	OA	002E1	75200005	A	STB,R2	R5
1197	OA	002E2	30500001	A	AW,R5	R1
1198	OA	002E3	40400000	A	TTBS,R4	0
1199	OA	002E4	681002E6		BCR,1	*+2
1200	OA	002E5	72800004	A	LB,SR1	R4
1201	OA	002E6	72500005	A	LB,R5	R5
1202	OA	002E7	38200005	A	SW,R2	R5
1203	OA	002E8	683002F3		BEZ	CHKCNT
1204	OA	002E9	7020004D	08	LC	EXITCC
1205	OA	002EA	681002F3		BCR,1	CHKCNT
1206					*	
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
1211	OA	002EF	35200034	08	STW,R2	FIELDSIZ
1212	OA	002F0	33100043	08	MTW,1	#FIELDS
1213	OA	002F1	02200000	A	LCI	0
1214	OA	002F2	7400004D	08	STCF	EXITCC
1215	OA	002F3			CHKCNT	EGU
1216	OA	002F3	30100002	A	AW,R1	R2
1217	OA	002F4	20100001	A	AI,R1	1
1218	OA	002F5	2180005E	A	CI,SR1	1,1
1219	OA	002F6	693002F9		BNE	NOCONTIN
1220	OA	002F7	31100010	08	CW,R1	INBUFSIZ
1221	OA	002F8	683002FF		BE	CONTINUE
1222	OA	002F9			NOCONTIN	EGU
1223	OA	002F9	35100047	08	STW,R1	CURPOS
1224	OA	002FA			NOEOFEXIT	EGU
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

SET UP TO LOOK FOR DELIMITERS
 CNT OF REMAINING CHARS IN INBUF
 DISP. TO BEGIN SCANNING
 FIND NEXT DELIMITER
 HIT EOF W/O FINDING DELIM.
 RETURN FOUND DELIMITER
 # OF REMAINING CHARS TO SEARCH
 # OF CHARS BEFORE DELIMITER
 DELIM. WAS ONLY CHAR = NO FIELD
 CC1=0 MEANS WE FOUND DELIM. IN...
 ...A CONTINUED LINE (ALREADY...
 ...FOUND FIELD IN PREV. LINE)

MOVE FIELD INTO FIELDBUF
 BUMP COUNT OF FIELDS FOUND
 FLAG INDICATING WE FOUND A FIELD
 CHECK FOR LINE CONTINUATION
 ADVANCE CURPOS TO DELIMITER
 INCREMENT CURPOS PAST DELIMITER

WAS SEMICOLON THE LAST CHAR.
 YES-READ ANOTHER RECORD
 SAVE CURRENT CHAR. POS.
 RETURN TO BAL+2 IF EOF NOT HIT

1232		OA 002FF		CONTINUE	EGU	*	
1233	OA	002FF	32100026 09		LW,R1	ZAPINBUF	
1234	OA	00300	61000068 09		MBS,R0	BA(BLANKS)	CLEAR INPUT BUFFER
1235	OA	00301	221000318		LI,R1	SIEBF	ABN RETURN FOR READ
1236	OA	00302	0410000D 03		CAL,1	READSI	READ ANOTHER RECORD
1237	OA	00303	22100000 A		LI,R1	0	
1238	OA	00304	35100047 08		STW,R1	CURPOS	RESET CURRENT CHAR POSITION
1239	OA	00305	52200004 N		LH,R2	M:SI+4	
1240	OA	00306	2520007F A		SLS,R2	=1	GET # OF CHARS READ
1241	OA	00307	22300003 A		LI,R3	3	
1242	OA	00308	45300000 X		CS,R3	M:SI	IS M:SI ASSIGNED TO A DEVICE
1243	OA	00309	693000315		BNE	SETSIZ2	NOPE
1244	OA	0030A	70200000 X		LC	JIJIT	ARE WE BATCH (READING C DEVICE)
1245	OA	0030B	68800030E		BCR,8	BATCH	YES
1246	OA	0030C	202FFFFF A		AI,R2	=1	DONIT COUNT CR FROM UC
1247	OA	0030D	680000315		B	SETSIZ2	
1248		OA 0030E		BATCH	EGU	*	
1249	OA	0030E	0410001D 03	,LLECH0	M:WRITEF	M:LL,(BUF,INBUF),(SIZE,*R2),(BTD,0)	
	03	0001D	11000000 N				
			34000000				
	03	0001F	00000011 08				
	03	00020	80000002 A				
	03	00021	00000000 A				
1250	OA	0030F	2220004F A		LI,R2	79	
1251	OA	00310	22800040 A		LI,SR1	X:401	
1252	OA	00311	71840011 08		CB,SR1	INBUF,R2	FIND LAST NON-BLANK IN CARD IMAGE
1253	OA	00312	693000314		BNE	*+2	
1254	OA	00313	642000311		BDR,R2	*-2	
1255	OA	00314	20200001 A		AI,R2	1	
1256		OA 00315		SETSIZ2	EGU	*	
1257	OA	00315	35200010 08		STW,R2	INBUFSIZ	
1258	OA	00316	33100048 08		MTW,1	0NFLG	CHECK ON/OVER IF IN CONTINUED LINE
1259	OA	00317	6800002E0		B	NONBLANK	
1261		OA 00318		SIEBF	EGU	*	HIT EOF READING M:SI
1262	OA	00318	22800040 A		LI,SR1	X:401	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

EGU *
 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 40E2F8D5 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 40D3D6C1 A
 OA 00346 C440D4D6 A
 OA 00347 C4E4D3C5 A
 OA 00348 40D6F4E3 A
 1291 OA 00349 6A0003D8
 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 40D3D6C1 A
 OA 00360 C440D4D6 A
 OA 00361 C4E4D3C5 A
 OA 00362 40D5C1D4 A
 OA 00363 C5406E40 A
 OA 00364 F1F140C3 A
 OA 00365 C8C1D9C1 A
 OA 00366 C3E3C5D9 A
 OA 00367 E2404040 A

CFILERR BAL,RO 0PERR
 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	0A 00368	6A0003DB	BNERR	BAL,RO	BPERR
1298	0A 00369	265C5C5C A		TEXTC	**** '10N!' ILLEGAL -- LOAD MODULE EXISTS!
	0A 0036A	407D06D5 A			
	0A 0036B	7040C9D3 A			
	0A 0036C	D3C5C7C1 A			
	0A 0036D	D340A060 A			
	0A 0036E	40D3D6C1 A			
	0A 0036F	C440D4D6 A			
	0A 00370	C4E4D3C5 A			
	0A 00371	40C5F7C9 A			
	0A 00372	E2E3F240 A			
1299	0A 00373	6A0003D1	BPTERR	BAL,RO	USRERR
1300	0A 00374	175C5C5C A		TEXTC	**** UNRECOGNIZED OPTION!
	0A 00375	40E4D5D9 A			
	0A 00376	C5C3D6C7 A			
	0A 00377	D5C9F9C5 A			
	0A 00378	C440D6D7 A			
	0A 00379	E3C9D6D5 A			
1301	0A 0037A	6A0003D1	HEXERR	BAL,RO	USRERR
1302	0A 0037B	1E5C5C5C A		TEXTC	**** ILLEGAL HEXADECIMAL NUMBER!
	0A 0037C	40C9D3D3 A			
	0A 0037D	C5C7C1D3 A			
	0A 0037E	40C8C5E7 A			
	0A 0037F	C1C4C5C3 A			
	0A 00380	C9D4C1D3 A			
	0A 00381	40D5F4D4 A			
	0A 00382	C2C5D940 A			
1303	0A 00383	6A0003D1	DECERR	BAL,RO	USRERR
1304	0A 00384	1A5C5C5C A		TEXTC	**** ILLEGAL DECIMAL NUMBER!
	0A 00385	40C9D3D3 A			
	0A 00386	C5C7C1D3 A			
	0A 00387	40C4C5C3 A			
	0A 00388	C9D4C1D3 A			
	0A 00389	40D5F4D4 A			
	0A 0038A	C2C5D940 A			
1305	0A 0038B	6A0003D1	NUMERR	BAL,RO	USRERR
1306	0A 0038C	145C5C5C A		TEXTC	**** NUMBER TOO LARGE!

	0A 0038D	40D5F4D4	A		
	0A 0038E	C2C5D940	A		
	0A 0038F	E3D6D640	A		
	0A 00390	D3C1D9C7	A		
	0A 00391	C5404040	A		
1307	0A 00392	6A0003DB	A	NOTREERR	BAL,R0
1308	0A 00393	215C5C5C	A		OPERR
	0A 00394	40D4C9E2	A		**** MISSING EXPECTED TREE COMMAND!
	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	A	BADTREE	BAL,R0
1310	0A 0039D	155C5C5C	A		TEXTC
	0A 0039E	40C2C1C4	A		USRERR
	0A 0039F	407AF3D9	A		**** BAD !TREE COMMAND!
	0A 003A0	C5C540C3	A		
	0A 003A1	D6D4D4C1	A		
	0A 003A2	D5C44040	A		
1311	0A 003A3	6A0003D1	A	R0MTERR	BAL,R0
1312	0A 003A4	295C5C5C	A		TEXTC
	0A 003A5	40C5D3C5	A		USRERR
	0A 003A6	D4C5D5E3	A		**** ELEMENT FILE IN TREE NOT IN E.F. LIST!
	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	4040D3C9	A		
	0A 003AE	E2E34040	A		
1313	0A 003AF	6A0003D1	A	PARERR	BAL,R0
1314	0A 003B0	2F5C5C5C	A		TEXTC
	0A 003B1	40E4D5C2	A		USRERR
					**** UNBALANCED PARENTHESIS - BAD TREE STRUCTURE!

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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 6040C2C1 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 40C2C1C3 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 40C5D3C5 A
 OA 003C8 D4C5D5E3 A
 OA 003C9 40C6C9D3 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

BPERR
 !*** 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
 PRBCBPT/OA 00195
 PZDRQ/OA 0005C
 READ1/OA 0031D
 R0MINDX/08 0004A
 R0MSRCH/09 0000A
 R2/00000002
 R6/00000006
 SAVEREGS/08 0000U
 SETFLINK/OA 0010E
 SIE0F/OA 00318
 SR1/00000008
 ST0RCNT/OA 00292
 TSTACK/0000A000
 TXT1SYS/09 0002U
 TXTC:J1/09 00031
 TXT0VER/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
 TXT1TREE/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
 TXTN0NE/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
 TXTN/09 0002E
 UNSATTBL/08 00077
 ZAPFLDBUF/09 00028
 0T09/09 00018
 #DELIMS/00000007
 #READS/08 000C7

LYNX01/09 00000
 0PSUBRS/07 00000

M:LL

M:SI