

LOCTR OBJECT TEXT STMT SOURCE STATEMENT
3 Q38F6 START X'1D70'
4 \*\*\*\*\*
5 \*
6 \* \*\*\* PREREQUISITES \*\*\*
7 \*
8 \* NONE
9 \*
10 \*\*\*\*\*
11 \*
12 \* \*\*\* MODIFICATIONS \*\*\*
13 \*
14 \* NONE
15 \*
16 \*\*\*\*\*
17 \*
18 \* \*\*\* REA'S INCORPORATED \*\*\*
19 \*
20 \* NONE
21 \*
22 \*\*\*\*\*
23 \*
24 \* \*\*\* SPECIAL INSTRUCTIONS \*\*\*
25 \*
26 \* NONE
27 \*
28 \*\*\*\*\*
29 \*
30 \* \*\*\* E. C. HISTORY \*\*\*
31 \*
32 \* DATE 12APR78 DATE 08AUG78 DATE DATE
33 \* E.C. 755404D E.C. 755404 E.C.
34 \*
35 \*\*\*\*\*
36 \*
37 \*\*\*\*\* OVERLAY PROGRAM START \*\*\*\*\*
38 \*
39 \* FIRST ENTRY POINT
40 \* CYR00 MVW R7,OLYRA SAVE OVERLAY RETURN ADDRESS
41 \* B PSRT GO START
42 \*
43 \*\*\*\*\*
44 \* SECOND ENTRY POINT
45 \* MVW R7,OLYRA SAVE OVERLAY RETURN ADDRESS
46 \* B PR0PT GO PRINT OPTIONS
47 \*\*\*\*\*
48 \*
49 \*\*\*\*\* DATA FOR CCONFIG CDATA \*\*\*\*\*
50 \*
51 \*\*\*\*\*
52 PDEV7 DC X'00' DEVICE TYPE TO PRINT
53 CTC16 DC H'16' CONSTANT DECIMAL 16 1 BYTE
54 EBLA DC C' ' EBCDIC BLANK
55 PSW17 DC X'00' SWITCH PRINT ANOTHER DISKETTE
56 \*
57 CTC52 DC C'52'
58 CTC53 DC C'53'
59 CTC55 DC C'55'
60 ALJGN WORD
61 \*\*\*\*\*
62 \* CONFIG TABLE MESSAGES = 3820 -384F
63 \*
64 \* HEX TO EBCDIC CONTROL BLOCK
65 CTH30 DC A(16) NO BYTES HEX DATA
66 CTH31 DC A(0) DATA ADDRESS (HEX)
67 CTH32 DC A(CTM23) BUFFER ADDRESS (EBCDIC)
68 \* CONTROL BLOCK OUTPUT
69 DC X'0080'
70 CTH24 DC A(CTM25) MESSAGE ADDRESS
71 DC A(-1) IMMEDIATE RETURN
72 \* OUTPUT PRINT ENTRY CONFIGURATION TABLE
73 DC X'384C'
74 CTH25 DC C' ' ENTRY #
75 DC C' '
76 CTH23 DC C' ' ENTRY XXXX XXXX XXXX XXXX XXXX XXXX
77 CTH40 DC C' '
78 CTH41 DC C' '
79 CTH42 DC C' '
80 DC C' '
81 CTH26 DC C' ' DEVICE TYPE
82 CTH27 DC C' ' DEVICE TYPE
83 DC X'00'
84 \* CONTROL BLOCK HTOE
85 CTH50 DC A(1) # BYTES HEX DATA
86 CTH51 DC A(CTM2) DATA ADDRESS (HEX)
87 CTH52 DC A(CTM25) BUFFER ADDRESS (EBCDIC)
88 \*
89 \* CONTROL BLOCK HTOE
90 ALIGN WORD
91 CIM20 DC X'0002' HEX DATA 2 BYTES
92 DC A(CEDN1) DATA ADDRESS
93 DC A(CIM32) EBCDIC OUTPUT BUFFER - ENTRY #
94 \* CONTROL BLOCK OUTPUT
95 ALIGN WORD
96 DC X'0080'
97 CIM30 DC A(CIM31)
98 DC A(-1)
99 \* OUTPUT
100 DC X'384C'
101 CIM31 DC C'ENTRY'
102 CIM32 DC C' '
103 DC X'00'
104 \*
105 \* CONTROL BLOCK OUTPUT
106 ALIGN WORD
107 DC X'0080'
108 CNM05 DC A(CNM06)
109 DC A(-1)
110 \* OUTPUT MESSAGE
111 DC X'384C'
112 CNM06 DC C'DEVICE ADDRESS = '
113 CNM07 DC C' '
114 DC C' '
115 DC C'DEVICE ID = '
116 CNM08 DC C' '
117 DC X'00'
118 \* HTOE HEX TO EBCDIC CONTROL BLOCK ID FROM READ ID

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001E22 0002 119 CNM15 DC X'0002' HEX DATA 2 BYTES
001E24 24C4 120 DC A(CTIID) DATA ADDRESS ID FROM READ ID
001E26 1E1D 121 DC A(CNM08) EBCDIC OUT BUFFER
122 \* CONTROL BLOCK HTOE
001E28 0002 123 CNM20 DC X'0002' HEX DATA 2 BYTES
001E2A 235E 124 DC A(CHACT) DATA ADDRESS
001E2C 1E09 125 DC A(CNM07) EBCDIC OUT BUFFER - DEVICE ADDRESS
126 \*
127 \* CONTROL BLOCK OUTPUT
128 ALIGN WORD
129 DC X'0080'
130 CNM10 DC A(CTE01)
131 DC A(-1)
132 \* OUTPUT MESSAGE SEE CTE01
133 \*
134 \* CONTROL BLOCK OUTPUT
135 ALIGN WORD
136 DC X'0080'
137 CNM6 DC A(CNMA7) MESSAGE ADDRESS
138 DC A(-1) IMMEDIATE RETURN
139 \*
140 \* OUTPUT
141 DC X'384C'
142 CNM7 DC C'ADD DT RID NAME'
143 DC X'00'
144 \*
145 \* CONTROL BLOCK HTOE
146 ALIGN WORD
147 CNMBA DC A(1) # BYTES HEX DATA
148 DC A(PDEV7) DATA ADDRESS (HEX)
149 DC A(CNMBB) BUFFER ADDRESS (EBCDIC)
150 \* CONTROL BLOCK HTOE
151 ALIGN WORD
152 CNM8 DC A(1) # BYTES HEX DATA
153 DC A(CTADD) DATA ADDRESS (HEX)
154 DC A(CNMB6) BUFFER ADDRESS (EBCDIC)
155 \* CONTROL BLOCK HTOE
156 CNM1 DC A(2) # BYTES HEX DATA
157 DC A(CTIID) DATA ADDRESS (HEX)
158 DC A(CNMB7) BUFFER ADDRESS (EBCDIC)
159 \* CONTROL BLOCK OUTPUT
160 DC X'0080'
161 CNM5 DC A(CNMB6) MESSAGE ADDRESS
162 DC A(-1) IMMEDIATE RETURN
163 \*
164 \* OUTPUT
165 DC X'384C'
166 CNM6 DC C' ' ADDRESS
167 DC C' '
168 CNMBB DC C' ' DEVICE TYPE
169 DC C' '
170 CNMB7 DC C' ' READ ID
171 DC C' '
172 CNM8 DC C' ' DEVICE NAME
173 DC C' ' DEVICE NAME
174 \*
175 \* CONTROL BLOCK OUTPUT
176 ALIGN WORD
177 DC X'0080'
178 CNM1 DC A(CNMC2)
179 DC A(-1)
180 \* OUTPUT
181 DC X'384C'
182 CNM2 DC C'49' 4953
183 CNM3 DC C' ' 4955
184 DC X'00'
185 \*
186 \* CONTROL BLOCK HTOE
187 DC A(2) # BYTES HEX DATA
188 DC A(0) DATA ADDRESS (HEX)
189 \* CONTROL BLOCK OUTPUT
190 ALIGN WORD
191 DC X'0080'
192 \*NM8 DC A(CNMC9)
193 DC A(-1)
194 \* OUTPUT
195 DC X'384C'
196 \*NM9 DC C'SORAGE '
197 \*NMCA DC C' '
198 DC X'00'
199 \*
200 \* CONTROL BLOCK OUTIN
201 ALIGN WORD
202 DC X'00C0'
203 CNM1 DC A(CNMD2) OUTPUT
204 DC A(CNMD3) INPUT
205 DC A(1)
206 DC A(1)
207 \* OUTPUT
208 DC X'383D'
209 CNM2 DC C'ENTER 01 WHEN ''FROM'' DISKETTE IS LOADED'
210 DC X'00'
211 \* INPUT
212 ALIGN WORD
213 CNM3 DC X'00' INPUT
214 DC X'00'
215 \*
216 \* CONTROL BLOCK OUTIN
217 ALIGN WORD
218 DC X'00C0'
219 CNM4 DC A(CNMD5) OUTPUT
220 DC A(CNMD3) INPUT
221 DC A(1)
222 DC A(1)
223 \* OUTPUT
224 DC X'383E'
225 CNM5 DC C'ENTER 01 WHEN BASIC DISKETTE IS LOADED'
226 DC X'00'
227 \*
228 \*\*\*\*\*
229 \* END OF CDATA
230 \*\*\*\*\*
231 ALIGN WORD
232 \*\*\*\*\*
233 \*\*\*\*\*

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
234	*	DATA FOR PRINT OPTIONS	
235	*		
236	*	CONTROL BLOCK FOR PRINT OPTION TABLE	
237		ALIGN WORD	
238	DC	X'0080' DO NOT STOP IN LIGHTS	
001EFA	0080	COPTP DC A(*-*) MESSAGE ADDRESS	
001EFC	0000	DC A(-1)	
001EFE	FFFF	* OUTPUT	
241		DC X'384C'	
001F00	384C	OPL01 DC C'OPTION TABLE'	
001F02	D6D7E3C9D6D540E3C	DC X'00'	
001F0E	00	ALIGN WORD	
001F0F	00	* OUTPUT	
247		DC X'384C'	
001F10	384C	OPL03 DC C'01=PRINT TABLE'	
001F12	F0F17ED7D9C9D5E34	DC X'00'	
001F20	00	ALIGN WORD	
001F21	00	* OUTPUT	
251		DC X'384C'	
001F22	384C	OPL04 DC C'02=DELETE'	
001F24	F0F27EC4C5D3C5E3C	DC X'00'	
001F2D	00	ALIGN WORD	
255		* OUTPUT	
256		DC X'384C'	
001F2E	384C	OPL05 DC C'03=MODIFY'	
001F30	F0F37ED4D6C4C9C6E	DC X'00'	
001F39	00	ALIGN WORD	
261		* OUTPUT	
262		DC X'384C'	
001F3A	384C	OPL06 DC C'04=ALTERNATE CONSOLE'	
001F3C	F0F47EC1D3E3C5D9D	DC X'00'	
001F40	00	ALIGN WORD	
001F51	00	* OUTPUT	
267		DC X'384C'	
001F52	384C	OPL07 DC C'05=TERMINATE'	
001F54	F0F57EE3C5D9D4C9D	DC X'00'	
001F60	00	ALIGN WORD	
001F61	00	* OUTPUT	
271		DC X'384C'	
001F62	384C	OPL08 DC C'06=PROCESSOR TYPE'	
001F64	F0F67ED7D9D6C3C5E	DC X'00'	
001F75	00	ALIGN WORD	
276		* OUTPUT	
277		DC X'384C'	
001F76	384C	OPL09 DC C'07=TWO CHANNEL SWITCH'	
001F78	F0F77EE3E6D640C3C	DC X'00'	
001F8D	00	ALIGN WORD	
281		* OUTPUT	
282		DC X'384C'	
001F8E	384C	OPL10 DC C'08=STORAGE SIZE'	
001F90	F0F87EE2E3D6D9C1C	DC X'00'	
001F9F	00	ALIGN WORD	
286		* OUTPUT	
287		DC X'384C'	
001FA0	384C	OPL11 DC C'09=PRINT SYSTEM EQUIPMENT'	
001FA2	F0F97ED7D9C9D5E34	DC X'00'	
001FBB	00	ALIGN WORD	
291		* OUTPUT	
292		DC X'384C'	
001FBC	384C	OPL12 DC C'0A=ADD'	
001FBE	F0C17EC1C4C4	DC X'00'	
001FC4	00	ALIGN WORD	
001FC5	00	* OUTPUT	
296		DC X'384C'	
001FC6	384C	OPL13 DC C'0B=BYPASS OPTION TABLE'	
001FC8	F0C27EC2E8D7C1E2E	DC X'00'	
001FDE	00	ALIGN WORD	
001FDF	00	* OUTPUT	
301		DC X'384C'	
001FE0	384C	OPL14 DC C'0C=CONFIGURE SYSTEM'	
001FE2	F0C37EC3D6D5C6C9C	DC X'00'	
001FF5	00	ALIGN WORD	
306		* OUTPUT	
307		DC X'384C'	
001FF6	384C	OPL15 DC C'0D=DISKETTE WRITE'	
001FF8	F0C47EC4C9E2D2C5E	DC X'00'	
002009	00	ALIGN WORD	
311		* OUTPUT	
312		DC X'384C'	
00200A	384C	OPL16 DC C'0E=OEMI'	
00200C	F0C57ED6C5D4C9	DC X'00'	
002013	00	ALIGN WORD	
316		* OUTPUT	
317		DC X'384C'	
002014	384C	OPL17 DC C'0F=FLOATING POINT'	
002016	F0C67EC6D3D6C1E3C	DC X'00'	
002027	00	ALIGN WORD	
321		* OUTPUT	
322		DC X'384C'	
002028	384C	OPL18 DC C'10=MERGE'	
00202A	F1F07ED4C5D9C7C5	DC X'00'	
002032	00		
326		* CONTROL BLOCK OUTIN	
327		ALIGN WORD	
002033	00	DC X'0080'	
002034	0080	CTMT3 DC A(CTMU4)	
002036	2040	DC A(CTMU5)	
002038	204A	DC A(1)	
00203A	0001	DC A(1)	
00203C	0001	* OUTPUT	
333		DC X'382F'	
00203E	382F	CTMU4 DC X'FUNCTION'	
002040	C6E4D5C3E3C9D6D5	DC X'00'	
002048	00	ALIGN WORD	
002049	00	* INPUT	
338		CTMU5 DC X'00'	
00204A	00	DC X'00'	
00204B	00		
341		*****	
342		*****	
343		*****	
344		*****	
345		*****	
346		*****	
347		*****	
348		*****	

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
00204C		349	PROPT EQU *
00204E	72E4	350	MVW R2,R7
002050	1847	351	JNZ CXIN8
002054	4724 1EFC	352	MVA COPTP,R7
00205A	4020 1F02	353	MVA OPL01,COPTP
00205C	6000	354	SVC OUT
002062	6000	355	MVA OPL03,COPTP
002064	4020 1EFC 1F12	356	OUT
00206A	6000	357	MVA OPL04,COPTP
00206C	4020 1EFC 1F30	358	SVC OUT
002072	6000	359	MVA OPL05,COPTP
002074	4020 1EFC 1F3C	360	SVC OUT
00207A	6000	361	MVA OPL06,COPTP
00207C	4020 1EFC 1F54	362	SVC OUT
002082	6000	363	MVA OPL07,COPTP
002084	4020 1EFC 1F64	364	SVC OUT
00208A	6000	365	MVA OPL08,COPTP
00208C	4020 1EFC 1F78	366	SVC OUT
002092	6000	367	MVA OPL09,COPTP
002094	4020 1EFC 1F90	368	SVC OUT
00209A	6000	369	MVA OPL10,COPTP
00209C	4020 1EFC 1FA2	370	SVC OUT
0020A2	6000	371	MVA OPL11,COPTP
0020A4	4020 1EFC 1FBE	372	SVC OUT
0020AA	6000	373	MVA OPL12,COPTP
0020AC	4020 1EFC 1FC8	374	SVC OUT
0020B2	6000	375	MVA OPL13,COPTP
0020B4	4020 1EFC 1FE2	376	SVC OUT
0020BA	6000	377	MVA OPL14,COPTP
0020BC	4020 1EFC 1FF8	378	SVC OUT
0020C2	6000	379	MVA OPL15,COPTP
0020C4	4020 1EFC 200C	380	SVC OUT
0020CA	6000	381	MVA OPL16,COPTP
0020CC	4020 1EFC 2016	382	SVC OUT
0020D2	6000	383	MVA OPL17,COPTP
0020D4	4020 1EFC 202A	384	SVC OUT
0020DA	6000	385	MVA OPL18,COPTP
0020DC	748A	386	SVC OUT
0020DE	4724 2036	387	SW R4,R4 ZERO R4
0020E2	6001	388	CXIN8 MVA CTMT3,R7
0020E8	6F03 2924	389	SVC OUTIN PRINT 'FUNCTION'
0020EC	6812 2318	390	* CK FOR DCP TERMINATE
		391	BAL CDCPT,R7
		392	*
		393	CTMU5,R2 INPUT INTO R2
		394	B OLYRA* RETURN TO BASIC
		395	*****
		396	*****
		397	*****
		398	BEGIN PRINT OVERLAY
		399	*****
		400	*****
0020F0		401	PSTRT EQU *
0020F2	4A0F	402	TBT (R2,15)
0020F4	1047	403	JOFF CXPRT J IF PRINT TABLE
		404	*****
		405	*****
		406	*****
		407	*****
		408	*****
		409	*****
0020F4	6504	410	CXINE DIAG X'104' DIAGNOSE SYSTEM TYPE - WILL RETURN
0020F6	7806 0002	411	CWI X'0002',R0 WITH R0 = SYSTEM TYPE
0020FA	1007	412	JE CSE00 J IF 4952
0020FC	7806 0003	413	CWI X'0003',R0
002100	1008	414	JE CSE01 J IF 4953
002102	8828 1D88 1E8C	415	* 4955 SYSTEM
002108	5007	416	MVW CTC55,CNMC3
		417	J CSE02
00210A	8828 1D84 1E8C	418	* 4957 SYSTEM
002110	5003	419	CSE00 MVW CTC57,CNMC3
		420	J CSE01
002112	8828 1D86 1E8C	421	* 4953 SYSTEM
002118	4724 1E84	422	CSE01 MVW CTC53,CNMC3
00211C	6000	423	CSE02 MVA CNMC1,R7
		424	OUT PRINT '4952' OR '4953' OR '4955'
		425	*****
		426	*****
		427	*****
		428	*****
		429	*****
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		461	*****
		462	*****
		463	*****
		464	*****

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
00217E 6802 2314 465 B PSTRE GO TO RETURN
466 \*\*\*\*\*
467 \*\*\*\*\* END PRINT SYSTEM EQUIPMENT \*\*\*\*\*
468 \*\*\*\*\*
469 \*\*\*\*\*
470 \*\*\*\*\*
471 \* OPTION 1 = PRINT CONFIGURATION TABLE
472 \*\*\*\*\*
473 CXPRT EQU \*
474 CBI X'FF',R4
475 JNE CXNPS
476 MVB CTC01,PSWIT SET SW PRINTING ANOTHER DISKETTE
477 MVA CNMD1,R7 CAN LOAD ANOTHER DISK NOW
478 SVC OUTIN PRINT 'ENTER 01 WHEN 'FROM' D LOADED'
479 MVA CTRL1,R7
480 SVC READ1 READ CONFIG TABLE FROM THE OTHER DISK
481 \* NORMAL PROCESSING START
482 CXNPS MVM CTW00,CTMC1 ZERO COUNTER FOR ENTRY #
483 MVM CTAB1,R1 R1 = CONFIGURATION TABLE ADDRESS
484 MVM CTAB0,R3 R3 = # ENTRIES IN TABLE
485 SRL 8,R3 R3 = ADDRESS OF LAST TABLE ENTRY USED
486 MB CTC16,R3
487 AW R1,R3 ENTRY # TO EBCDIC
488 CXPL MVA CTM50,R7 ADDRESS HEX EBCDIC CONTROL BLOCK
489 SVC HTOE HEX TO EBCDIC CONVERSION
490 MVM R1,CTM31 R6 = DEVICE READ ID
491 MVA CTM30,R7 R5 = DEVICE TYPE
492 SVC HTOE P5 = DEVICE TYPE
493 MVM (R1,14),R6
494 MVB (R1,1),R5
495 BAL CDEV1,R7
496 MVD CDVT1,CTM26 DEVICE TYPE
497 MVD CDVT2,CTM27 DEVICE TYPE
498 \* INSERT BLANKS IN PRINT OUT
499 SLL 16,R7 R7 = COUNT BETWEEN BLANKS
500 MVA CTM40,R4 R4 = @ AFTER LAST MOVE
501 MVA CTM41,R5 R5 = FROM
502 MVA CTM42,R2 R2 = TO
503 CXPMC MVE (R5),(R2) MOVE CHARACTER
504 AWI 1,R5
505 SWI 1,R2
506 CBI 4,R7
507 JLT CXPC J TO CK FOR END
508 \* ADD A SPACE CHARACTER
509 SLL 16,R7
510 MVB EEBLA,(R2) EBCDIC BLANK CHARACTER
511 SWI 1,R2
512 CXPC CW R5,R4 CK FOR END
513 JLT CXPMC J FINISHED NOW PRINT THE LINE
514 MVA CTM24,R7 ADDRESS OUTPUT CONTROL BLOCK
515 SVC OUT PRINT CONF TABLE ENTRY 16 BYTES
516 \* INCREMENT ENTRY #
517 AWI 16,R1 INCREMENT R1 TO NEXT ENTRY
518 CW R3,R1 TEST FOR END OF TABLE
519 JLE CXDL J IF NOT THROUGH PRINTING
520 MVB PSWIT,R7 CK SW
521 JZ CXPE J NOT PRINTING ANOTHER DISKETTE
522 MVA CNMD4,R7 CAN LOAD BASIC DISKETTE NOW
523 SVC OUTIN PRINT 'ENTER 01 WHEN BASIC D LOADED'
524 MVA CTRL1,R7
525 SVC READ1 READ CONFIG TABLE FROM THE OTHER DISK
526 B PSTRE GO TO RETURN
527 \* \*\*\*\*\*
528 \* END OF PRINT PROCEDURE
529 \*\*\*\*\*
530 \*\*\*\*\*
531 \*\*\*\*\*
532 \*\*\*\*\*
533 \* PROCEDURE PSSIZ
534 \* PURPOSE - PRINT THE STORAGE SIZE
535 \* INPUT - STORAGE SIZE IN PSSSS
536 \*\*\*\*\*
537 \* DATA DEFINITIONS
538 PSSRA DC A(\*) RETURN ADDRESS
539 PSSSS DC X'0000' STORAGE SIZE TO PRINT OUT
540 PSSOS DC A(\*) OUTER STOR FOR HTOE
541 PSSIT DC X'0003'
542 DC C'16'
543 DC X'0007'
544 DC C'32'
545 DC X'000B'
546 DC C'48'
547 DC X'000F'
548 DC C'64'
549 DC X'0000' END OF TABLE
550 \*
551 PSSM0 DC C'???'
552 \* CONTROL BLOCK OUTPUT
553 \* ALIGN WORD
554 DC X'0080'
555 PSSM1 DC A(PSSM2)
556 DC A(-1)
557 \* OUTPUT
558 DC X'384C'
559 PSSM2 DC C' '
560 PSSM3 DC C'K INNER STORAGE'
561 DC X'00'
562 \* ALIGN WORD
563 \*
564 PSSM4 DC C' '
565 PSSM5 DC C'NO'
566 \* CONTROL BLOCK OUTPUT
567 \* ALIGN WORD
568 DC X'0080'
569 PSSM6 DC A(PSSM7)
570 DC A(-1)
571 \* OUTPUT
572 DC X'384C'
573 PSSM7 DC C' '
574 PSSM8 DC C' ADDRESS TRANSLATOR'
575 DC X'00'
576 \* ALIGN WORD
577 \*
578 \* CONTROL BLOCK HTOE
579 PSSM9 DC X'0002' # BYTES HEX DATA
580 DC A(PSSOS) DATA ADDRESS (HEX)

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00228E 2290 581 DC A(PSSMB) BUFFER ADDRESS (EBCDIC)
582 \* CONTROL BLOCK OUTPUT
583 \* ALIGN WORD
584 DC X'0080'
585 PSSMA DC A(PSSMB)
586 DC A(-1)
587 \* OUTPUT
588 DC X'384C'
589 PSSMB DC C' '
590 PSSMC DC C' 16K OUTER STORAGE'
591 DC X'00'
592 \* ALIGN WORD
593 \*
594 \*\*\*\*\*
595 PSSIZ MVM R7,PSSRA SAVE RETURN ADDRESS
596 \*
597 MVM PSSM0,PSSM2 DO INNER STORAGE SIZE
598 MVA PSSIT-FOUR,R1 '???'
599 MVM PSSSS,R2 R1 = @ STORAGE SIZE TABLE
600 SRL 12,R2 R2 = STORAGE SIZE WORD
601 PSS02 AWI FOUR,R1 R2 = INNER STORAGE SIZE
602 CWI ZERO,(R1)
603 JE PSS04 J IF PAST END OF PSSIT TABLE
604 CW (R1),R2
605 JNE PSS02 J TO CHECK NEXT ENTRY
606 \* FOUND INNER STORAGE SIZE
607 MVM (R1,2),PSSM2 INNER STORAGE SIZE
608 PSS04 MVA PSSM1,R7
609 SVC OUT PRINT 'XXK INNER STOR'
610 \* DO ADDRESS TRANSLATOR
611 MVA PSSSS,R2 R2 = @ STORAGE WORD
612 TBT (R2,4)
613 JON PSS06
614 MVM PSSM5,PSSM7 'NO'
615 MVA PSSM6,R7
616 SVC OUT PRINT 'NO ADDRESS TRANSLATOR'
617 J PSS08
618 PSS06 MVM PSSM4,PSSM7
619 MVA PSSM6,R7
620 SVC OUT PRINT ' ADDRESS TRANSLATOR'
621 \* DO OUTER STORAGE
622 MVM PSSSS,R2 R2 = STORAGE WORD
623 SLL 5,R2
624 SRL 5,R2 R2 = OUTER STORAGE
625 MVM R2,PSSOS
626 MVA PSSM9,R7
627 SVC HTOE
628 MVA PSSMA,R7
629 SVC OUT PRINT 'XXX 16K OUTER STORAGE'
630 PSS08 B PSSRA\* RETURN
631 \*\*\*\*\*
632 \* END OF PSSIZ PROCEDURE
633 \*\*\*\*\*
634 \*\*\*\*\*
635 \*\*\*\*\*
636 \* END OF PRINT OVERLAY
637 \*\*\*\*\*
638 PSTRE B OLYRA\* RETURN TO BASIC
639 \*\*\*\*\*
640 \*\*\*\*\*
641 \*\*\*\*\*
642 \* COPY COMMON SUBROUTINES
643 \*\*\*\*\*
644 \* COPY DNSUB1
645 \*\*\*\*\*
646 \* \*\* TITLE \*\*
647 \* 'CONFIGURATION COMMON SUBROUTINES' \*
648 \*\*\*\*\*
649 \*\*\*\*\*
650 \*\*\*\*\*
651 \*
652 \* SYSTEM EQUATES - WAS MEMBER DCEPQUNA
653 \*
654 \*\*\*\*\*
655 SM EQU 1 SUMMARY MASK DISABLE OR
656 \* EQUABLE CODE
657 AT EQU 2 ADDRESS TRANSLATOR ENABLE OR
658 \* DISABLE CODE
659 \*\*\*\*\*
660 \*
661 \* EQUATED NAMES FOR SUPPORTED SVC'S
662 \*
663 \*\*\*\*\*
664 OUT EQU 0 OUT SVC
665 OUTIN EQU 1 OUTIN SVC
666 IDLE EQU 2 IDLE SVC
667 ASCII EQU 3 HEX TO ASCII SVC
668 CHNGE EQU 4 CHANGE LEVEL SVC
669 PGMCK EQU 5 ALLOW RETURN ON PROGRAM CHECK SVC
670 EXIT EQU 6 EXIT SVC
671 TERM EQU 7 TERMINATE SVC
672 RSET EQU 8 RESET DEVICE SVC
673 RID EQU 9 READ ID SVC
674 START EQU 10 START CYCLE STEAL SVC
675 STCSS EQU 11 START CYCLE STEAL STATUS SVC
676 PREP EQU 12 PREPARE DEVICE SVC
677 READO EQU 13 READ WITH FUNCTION BIT 3 OFF SVC
678 READ1 EQU 14 READ WITH FUNCTION BIT 3 ON SVC
679 RSTAT EQU 15 READ STATUS SVC
680 WRITO EQU 16 WRITE WITH FUNCTION BIT 3 OFF SVC
681 WRIT1 EQU 17 WRITE WITH FUNCTION BIT 3 ON SVC
682 CTRL EQU 18 CONTROL SVC
683 RIBC EQU 19 RELEASE INTERRUPT CONTROL BLOCK SVC
684 CIBC EQU 20 CONNECT INTERRUPT CONTROL BLOCK SVC
685 HIO EQU 21 HALT I/O SVC
686 REQSD EQU 22 REQUEST USE OF DCP DISK SVC
687 RFLSD EQU 23 RELEASE USE OF DCP DISK SVC
688 HALT EQU 24 HALT SVC
689 ETOH EQU 25 EBCDIC TO HEX SVC (STRING)
690 HTOE EQU 26 HEX TO EBCDIC SVC (STRING)
691 ATOH EQU 27 ASCII TO HEX SVC (STRING)
692 HTOA EQU 28 HEX TO ASCII SVC (STRING)
693 ETOA EQU 29 EBCDIC TO ASCII SVC (STRING)
694 ATOA EQU 30 ASCII TO EBCDIC SVC (STRING)
695 READ EQU 31 READ DATA SETS FOR MD/UTIL
696 WRIT EQU 32 WRITE DATA SETS FOR UTIL
697 \*

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
000020 698 VLDSV EQU 32 NUMBER OF HIGHEST VALID SVC
700 \*\*\*\*\*
701 \*
702 \* EQUATES USED BY DCP
703 \*
704 \*\*\*\*\*
705 AUTO EQU 0 AUTOMATIC MODE IND
706 TPGSW EQU 0 TERMINATE PGM SW
707 LOOP EQU 1 LOOP PGM IND
708 OFF EQU 2 TURN OPT BITS OFF
709 ON EQU 2 TURN OPT BITS ON
710 UTIL EQU 3 UTILITY REQUESTING DATA
711 LODED EQU 4 PGM LOADED
712 STOP EQU 6 STOP AFTER MSG OUT
713 ALTDV EQU 7 ALTERNATE OUTPUT DEV ASSIGNED
714 NXTVT EQU 8 TAKE NEXT DATA SET IND
715 IRD EQU 10 MDI READ REQUEST
716 RHDI EQU 11 MDI RETURN REQ
717 THDS EQU 12 SAVE THE P.U. I.D.
718 LDLAG EQU 13 LOOP ALL DIAG PACKAGE
719 CNRUN EQU 14 UNIT ADR ASSIGNMENT RUN
721 NINTL EQU 3 HIGHEST INT LEVEL ON SYSTEM
722 MDIRT EQU 48 MDI IMMEDIATE RETURN IN CNTL BLK
723 OPWRD EQU 14 DISP TO PGM OPTION WORD
725 EOT EQU X'0D' END OF MESSAGE CHAR (RETURN)
726 TTBEL EQU X'11' ATTEN CHAR (X-ON)
727 DLETE EQU X'7F' DELETE CHAR (RUBOUT)
728 PLUS EQU C '+' PLUS CHAR
729 MINUS EQU C '-' MINUS CHAR
730 NBLK EQU C ' ' BLANK CHAR
732 NECTR EQU X'1800' NEGATIVE AND ZERO INDICATORS
733 STPCD EQU X'64' STOP CODE FOR MEMORY
734 SMBIT EQU X'0010' SUMMARY MASK BIT
736 ZERO EQU 0 VALUE OF 0
737 ONE EQU 1 1
738 TWO EQU 2 2
739 THREE EQU 3 3
740 FOUR EQU 4 4
741 FIVE EQU 5 5
742 SIX EQU 6 6
743 SEVEN EQU 7 7
744 EIGHT EQU 8 8
745 NINE EQU 9 9
746 TEN EQU 10 10
747 ELEVN EQU 11 11
748 TWELV EQU 12 12
749 THRTE EQU 13 13
750 FORTN EQU 14 14
751 FIVTN EQU 15 15
752 SIXTN EQU 16 16
753 SEVTN EQU 17 17
754 TWNTY EQU 20 20
755 TWEN1 EQU 21 21
756 TWEN3 EQU 23 23
757 TWEN5 EQU 25 25
758 TWEN6 EQU 26 26
759 TWEN8 EQU 28 28
760 THRTY EQU 30 30
761 FIFT7 EQU 57 57
762 SIXTY EQU 60 60
763 SIXT4 EQU 64 64
764 SIXT6 EQU 66 66
765 SEVN5 EQU 75 75
766 ONE92 EQU 192 INPROC,SUB ST,SM MSK
767 TWO08 EQU 208
768 TWO56 EQU 256
769 THR52 EQU 352
770 FURB EQU 4096
771 HTHTY EQU X'30' HEX 30
772 H3FFE EQU X'3FFE' HEX 3FFE
774 M1 EQU -1 -1
775 M2 EQU -2 -2
776 M3 EQU -3 -3
777 M16 EQU -16 -16
778 M28 EQU -28 -28
779 M30 EQU -30 -30
781 MCKLB EQU C'HC'
782 PKLAB EQU C'PC'
784 \*\*\*\*\*
785 \* EQUATES FOR DISK
787 \*
788 \*\*\*\*\*
000006 739 BOE EQU 6 DISP TO BOE FROM START OF
790 \* ENTRY IN VTOC
000008 791 BOE EQU 8 DISP TO EOE FROM START OF
792 \* ENTRY IN VTOC
00000C 793 DSTYP EQU 12 DISP TO TYPE OF DATA SET IN
794 \* ENTRY OF VTOC
00000F 795 SPTE EQU 15 NUMBER SECTORS/TRACK
00000E 796 DIP2A EQU 15 ADDR 1ST DIPL2 SECTOR
00001E 797 EDIP2 EQU 30 ADDR LAST DIPL2 SECTOR+1
000078 798 PRC1A EQU 120 ADDR 1ST PROC1 SECTOR
0000B4 799 EPRC1 EQU 180 ADDR LAST PROC1 SECTOR+1
0000B4 800 PRC2A EQU 180 ADDR 1ST PROC2 SECTOR
0000F0 801 EPRC2 EQU 240 ADDR LAST PROC2 SECTOR+1
0000F0 802 PRC3A EQU 240 ADDR 1ST PROC3 SECTOR
00012C 803 EPRC3 EQU 300 ADDR LAST PROC3 SECTOR+1
00014A 804 VTOCA EQU 330 ADDR 1ST VTOC SECTOR
000168 805 EVTOC EQU 360 ADDR LAST VTOC SECTOR+1
0008AB 806 LDSST EQU 2219 ADDR LAST SECTOR ON DISK
000168 807 FDSST EQU 360 ADDR 1ST DATA SECTOR
00000A 808 DCRCY EQU 10 CYLINDER DCP ON
000020 809 LVTE EQU 32 LENGTH IN BYTES OF A VTOC ENTRY
000008 810 NDFPS EQU 8 NUMBER ENTRIES/SECTOR IN VTOC
000004 811 CHDLG EQU 4 DISP TO DATA IN MULT SECT'S
00000A 812 VHDLG EQU 10 NUMBER BYTES OF HEADER INFORMATION
00000E 813 IHDLP EQU 14 NUM BYTES PAST ALL HEADER INFO
00001E 814 VHDLP EQU 30
815 \* ON 1ST SECTOR OF EACH PROGRAM DATA
816 \* SET
818 \*\*\*\*\*
819 \*
820 \* EQUATES FOR CODED STOPS USED BY DCP

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
821 \* (NORMAL AND ERROR)
822 \*
823 \*\*\*\*\*
003800 824 RECD1 EQU X'3800' DCP WAIT
003801 825 ACNG EQU X'3801' ALTERNATE CONSOLE ERROR
003802 826 CKCD EQU X'3802' PROGRAM CHECK ERROR
003803 827 CKCD EQU X'3803' MACHINE CHECK ERROR
003804 828 PTWNG EQU X'3804' POWER THERMAL ERROR
003805 829 PSTER EQU X'3805' PROGRAM TERM
003806 830 INVCD EQU X'3806' INVALID COMMAND ERROR
003807 831 ALTCN EQU X'3807' ALT IN/OUT UNDER TEST
003808 832 RES EQU X'3808' ALT IN/OUT ON LINE
003809 833 UXP EQU X'3809' UNEXPECTED I/O INTERRUPT
00380A 834 BPCD5 EQU X'380A' PROGRAM STARTED
00380B 835 LPCD4 EQU X'380B' DISK ERROR
00380C 836 LPCD5 EQU X'380C' PROGRAM NOT FOUND
00380D 837 LPCD6 EQU X'380D' PROGRAM LOADED
00380E 838 HLTC2 EQU X'380E' HALT SVC
00380F 839 RPCD2 EQU X'380F' PROGRAM NOT EXPECTING REPLY
003810 840 RPCD5 EQU X'3810' PROGRAM EXPECTING HEX DATA
003811 841 ERR1 EQU X'3811' TOO MANY CHARACTERS ENTERED
003812 842 ENTCD EQU X'3812' ASK FOR DATA ENTRY
003813 843 SVCOD EQU X'3813' TOO MANY SVC CALLS
003814 844 \*\*\*\*\*
000000 845 \*\*\*\*\*
000000 846 \*
000000 847 \* THE FOLLOWING EQUATES ARE THE DISPLACEMENT FROM THE
000000 848 \* START OF A PROGRAM HEADER OF THE VARIOUS INFORMATION IN
000000 849 \* EACH PROGRAM HEADER
000000 850 \*
000000 851 \*\*\*\*\*
000000 852 HID EQU 0 PROG I.D.
000000 853 DVADR EQU 0 DEVICE TYPE IN DEVICE TABLE
000001 854 DVTP EQU 1 DEVICE ADR IN DEVICE TABLE
000003 855 HDDP1 EQU 3 DEVICE DEPENDENT DATA
000004 856 HDDP2 EQU 4 DEVICE DEPENDENT DATA
000004 857 CPUMD EQU 4 CPU MODEL DISPLACEMENT
000006 858 LSADR EQU 6 LAST ADR DISPLACEMENT
000006 859 HPK EQU 6 PROTECT KEY
000007 860 HPK1 EQU 7 PROTECT KEY PLUS ONE
000006 861 HPSA EQU 6 DIAG PROG START ADR
000006 862 INTAR EQU 6 DEVICE INTERRUPT ADR
000008 863 HDVTE EQU 08 DIAG DEV TABLE POINTER
000011 864 XYPNT EQU 17
000012 865 TBEND EQU 18 END OF TABLE IND
000013 866 SCEND EQU 19 END OF SECTOR IND
000014 867 CICBT EQU 20 C I C B INDICATOR
000008 868 CFEXT EQU 08
000012 869 HTUID EQU 18 MDI MAP I.D DISPLACEMENT
000010 870 UDTAS EQU 16 UNIT ASSIGNED BIT
000020 871 PDTAS EQU 32
000000 872 UNCR1 EQU 0 UNCONDITIONAL RETURN BIT
000001 873 CKDAD EQU 1 CHECK REQUESTED DEV
00000E 874 IOCHK EQU 11 I/O CHK IN PSW
00000F 875 NEWAR EQU 15
876 \*\*\*\*\*
877 \*
878 \* THE FOLLOWING EQUATES ARE THE OFFSETS INTO EACH ENTRY
879 \* FOR THE DATA SPECIFIED. (16 BYTES / ENTRY)
880 \*
881 \*\*\*\*\*
000000 882 CUDA EQU 0 DEVICE ADDRESS
000001 883 CUDT EQU 1 DEVICE TYPE
000002 884 CUDF EQU 2 CONTROL FLAGS
000003 885 CUDD1 EQU 3 DEVICE DEPENDENT DATA -- 1
000004 886 CUDD2 EQU 4 DEVICE DEPENDENT DATA -- 2
000005 887 CUDD3 EQU 5 DEVICE DEPENDENT DATA -- 3
000006 888 CUDD4 EQU 6 DEVICE DEPENDENT DATA -- 4
000007 889 CUDD5 EQU 7 DEVICE DEPENDENT DATA -- 5
000008 890 CUDD6 EQU 8 DEVICE DEPENDENT DATA -- 6
000009 891 CUDD7 EQU 9 DEVICE DEPENDENT DATA -- 7
00000A 892 CUDD8 EQU 10 DEVICE DEPENDENT DATA -- 8
00000B 893 CUDD9 EQU 11 DEVICE DEPENDENT DATA -- 9
00000C 894 CUDDA EQU 12 DEVICE DEPENDENT DATA -- 10
00000D 895 CUDDB EQU 13 DEVICE DEPENDENT DATA -- 11
00000E 896 CUDRI EQU 14 DEVICE READ ID DATA RETURNED
898 \*\*\*\*\*
899 \*
900 \* THE FOLLOWING EQUATES ARE THE DISPLACEMENTS FROM THE
901 \* START OF A QUE BLOCK OF THE VARIOUS INFORMATION.
902 \*
903 \*\*\*\*\*
000000 904 QIAR EQU 0 IARB OF CALLING PROGRAM
000002 905 QAKR EQU 2 KEY REG
000004 906 QLSF EQU 4 LSR OF CALLING PROGRAM
000006 907 QR0 EQU 6 XR0 OF CALLING PROGRAM
000008 908 QR1 EQU 8 XR1 OF CALLING PROGRAM
00000A 909 QR2 EQU 10 XR2 OF CALLING PROGRAM
00000C 910 QR3 EQU 12 XR3 OF CALLING PROGRAM
00000E 911 QR4 EQU 14 XR4 OF CALLING PROGRAM
000010 912 QR5 EQU 16 XR5 OF CALLING PROGRAM
000012 913 QR6 EQU 18 XR6 OF CALLING PROGRAM
000014 914 QR7 EQU 20 XR7 OF CALLING PROGRAM
000016 915 QSVL EQU 22 SVC NUMBER OF CALLING PROGRAM
000017 916 QRAL EQU 23 RETURN CODE AND LEVEL ENTERED
917 \*
000018 918 QAV1 EQU 24 AVAILABLE WORD 1
00001A 919 QAV2 EQU 26 AVAILABLE WORD 2
921 \*\*\*\*\*
922 \*
923 \* THE FOLLOWING EQUATES ARE THE DISPLACEMENTS FROM THE START
924 \* OF EACH SLOT IN THE DEVICE TABLE TO THE VARIOUS
925 \* INFORMATION IN EACH SLOT
926 \*
927 \*\*\*\*\*
000002 928 OAG EQU 2 RETURN ADDRESS IF COND CODE OF
929 \* INTERRUPT MATCHES THE COND
930 \* CODE AT OCC
000004 931 OAB EQU 4 RETURN ADDRESS IF CONDITION
932 \* CODE OF INTERRUPT DOES NOT
933 \* MATCH CONDITION CODE AT OCC
000007 934 OCC EQU 7 CONDITION CODE EXPECTED
935 \*\*\*\*\*
937 \*
938 \* DATA FOR COMMON SUBROUTINES

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LOCTR OBJECT TEXT      STMT SOURCE STATEMENT
002318 0000            939 *****
00231A 0230            940 OLYRA DC A(*-*) OVERLAY RETURN ADDRESS
00231C 0240            941 *****
00231E 180E            942 CTMSZ DC X'0230' ADDRESS IN DCP LAST USABLE STORAGE
000100                943 ALTER DC X'0240' ADDRESS IN DCP ALT CONSOLE ADD-TYPE
002320 3D              944 *****
002321 4E              945 AOPTN1 DC X'180E' ADDRESS IN BASIC OF OPTION WORD 1
002322 40              946 *****
002323 44              947 CTNAD EQU 256 # DEVICE ADDRESSES
002324 45              948 *****
002325 64              949 CDT3D DC X'3D' FLOATING POINT
002326 68              950 CDT3E DC X'3E' TCS
002327 A0              951 CDT40 DC X'40' CRT
002328 A3              952 CDT44 DC X'44' CRT
002329 A4              953 CDT45 DC X'45' DISPLAY
00232A A8              954 CDT64 DC X'64' PRINTER
00232B A9              955 CDT68 DC X'68' 4973 PRINTER
00232C B0              956 CDTA0 DC X'A0' S/SIO
00232D B4              957 CDTA3 DC X'A3' S/SIO
00232E E0              958 CDTA4 DC X'A4' S/SIO
00232F E1              959 CDTA8 DC X'A8' S/SIO
002330 01              960 CDTA9 DC X'A9' S/SIO
002331 02              961 CDTB0 DC X'B0' S/SIO
002332 03              962 CDTB4 DC X'B4' S/SIO
002333 04              963 CDTF0 DC X'F0' COM SYS
002334 05              964 CDTF1 DC X'F1' COM SYS
002335 06              965 *****
002336 07              966 CTC01 DC X'01' CONSTANT
002337 0E              967 CTC02 DC X'02' CONSTANT
002338 FF              968 CTC03 DC X'03' CONSTANT
002339 00              969 CTC04 DC X'04' CONSTANT
00233A 0000            970 CTC05 DC X'05' CONSTANT
00233B 0000            971 CTC06 DC X'06' CONSTANT
00233C 0000            972 CTC07 DC X'07' CONSTANT
00233D 0000            973 CTC14 DC H'14' CONSTANT
00233E 0000            974 CTCFF DC X'FF' CONSTANT 255 1 BYTE
00233F 0000            975 ALGN WORD
002340 00FF            976 CTW00 DC X'0000' CONSTANT DECIMAL 00 1 WORD
002341 0000            977 CTW13 DC X'000D' CONSTANT DECIMAL 13 1 WORD
002342 0000            978 CTW16 DC X'0010' CONSTANT DECIMAL 16 1 WORD
002343 0000            979 CTWFF DC X'00FF' CONSTANT 1 WORD
002344 00              980 ALGN WORD
002345 00              981 * ENTER ALT CONSOLE
002346 00              982 CAEAD DC X'00' ADDRESS - WORD
002347 00              983 CAEAE DC X'00' ADDRESS - BYTE
002348 0000            984 CAETY DC X'00' TYPE - WORD
002349 00              985 CAETZ DC X'00' TYPE - BYTE
00234A 0000            986 *
00234B 0000            987 CTSA DC X'00' SEARCH FOR DEVICE ADDRESS
00234C 0000            988 CTSA2 DC X'00' SEARCH FOR DEVICE ADDRESS - BYTE 2
00234D 0000            989 CTSEF DC X'0000' ENTRY FOUND ADDRESS
00234E 0000            990 CTSEF DC X'00' ENTRY FOUND NUMBER
00234F 0000            991 CTSEF DC X'00' ENTRY FOUND NUMBER - BYTE 2
002350 0000            992 CTSEN DC X'0000' ENTRY # TO START SEARCH AT
002351 0000            993 CTADD DC X'00' ADDRESS BYTE 1
002352 0000            994 CTADD DC X'00' ADDRESS BYTE 2
002353 0000            995 IPLPS DC X'0000' SWITCH - IPL PASS
002354 0000            996 PASS1 DC X'0000' 1ST PASS FLAG
002355 0000            997 CINCF DC X'0000' FLAG IN INITIAL CONFIGURATING MODE
002356 0000            998 CBPA3 DC X'0000' FLAG BYPASS A3 OEMIA ENTRIES IN CSFCH
002357 0000            999 CBPA4 DC X'0000' FLAG BYPASS A4 KITE ENTRIES IN CSRCH
002358 0000            1000 CERR DC X'0000' FLAG CONDITION CODE ERROR IN READ ID
002359 0000            1001 CEDN1 DC X'0000' COUNTER TO ENTER DEVICE TYPE
00235A 0000            1002 CEDN2 DC X'00' COUNTER
00235B 0000            1003 CHACT DC X'00' COUNTER FOR DEVICE ADDRESS
00235C 0000            1004 CHACT DC X'00' COUNTER 2ND BYTE
00235D 0000            1005 CTMC1 DC X'00' PRINT COUNTER BYTE 1
00235E 0000            1006 CTMC2 DC X'00' PRINT COUNTER BYTE 2
00235F 0000            1007 CDVT1 DC C' ' DEVICE NAME RETURNED BY CDEVT
002360 0000            1008 CDVT2 DC C' ' DEVICE NAME RETURNED BY CDEVT
002361 0000            1009 *****
002362 40404040        1010 * CONTROL FOP WRITI
002363 40404040        1011 CTRL5 DC A(CTRL6) ADDRESS OF CONFIG TABLE NAME
002364 0800            1012 DC X'3000' WRITE - ADDRESS OF CONFIG TABLE
002365 0800            1013 DC X'0800' WRITE # WORDS TO WRITE = 2048
002366 0800            1014 CTRL6 DC X'38F1' CONFIG TABLE NAME
002367 F3F8C6F1        1015 *****
002368 F3F8C6F1        1016 * CONFIGURATION TABLE 1120 BYTES
002369 F3F8C6F1        1017 * ENTRY ZERO = SYSTEM INFORMATION
002370 F3F8C6F1        1018 * ENTRY 1 - FF = DEVICE DATA
002371 0010            1019 CTLEL DC X'0010' TABLE ENTRY LENGTH = 16 BYTES
002372 1000            1020 CTLNG DC F'4096' CONFIGURATION TABLE LENGTH
002373 3000            1021 CTABA DC X'3000' ADDRESS OF CONFIGURATION TABLE
002374 3002            1022 CTABU DC X'3002' ADDRESS NUMBER OF ENTRIES USED
002375 3003            1023 CTABC DC X'3003' ADDRESS OF CONFIGURED FLAG
002376 3005            1024 CTABS DC X'3005' ADDRESS OF SYSTEM TYPE
002377 3006            1025 CTABE DC X'3006' ADDRESS LAST USABLE STORAGE
002378 3008            1026 CTABN DC X'3008' ADDRESS ALT CONSOLE ADD-TYPE
002379 3010            1027 CTABE DC X'3010' ADDRESS 1ST REAL ENTRY
002380 3008            1028 CTABF DC X'3008' ADDRESS LAST ENTRY
002381 3FF0            1029 DC X'00' KEEP READI STORAGE ADDRESS ON WD.BD.
002382 3FF0            1030 CTRL1 DC C'U38F1' CONFIGURATION TABLE NAME
002383 E4F3F8C6F1      1031 CTRL2 DC X'0000' STORAGE ADDRESS FOR CTRL1
002384 0000            1032 ALGN WORD
002385 00              1033 CTMNE DC X'00' 255 = MAX # ENTRIES IN CONFIG TABLE
002386 00              1034 CTMNF DC X'FF' 255 BYTE 2
002387 0000            1035 *****
002388 0000            1036 * CONFIGURATION TABLE FIELD EXPANSION
002389 0000            1037 *
002390 00              1038 ALGN WORD
002391 FF              1039 CTDA DC X'00' DEVICE ADDRESS
002392 00              1040 CTDI DC X'00' DEVICE TYPE
002393 00              1041 CTCF DC B'00000000' CONTROL FLAGS
002394 00              1042 * BIT 0 - USED BY DCP
002395 00              1043 * 1 - CHAIN ENTRIES
002396 00              1044 * 2 - LAST USED ENTRY IN TABLE
002397 00              1045 * 3 - LAST ENTRY IN EACH SECTOR
002398 00              1046 * 4 - USED BY DCP
002399 00              1047 * 5 - USED BY DCP
002400 00              1048 * 6 - TCS DEVICE
002401 00              1049 * 9 - END OF TABLE
002402 00              1050 CTDD1 DC B'00000000' DEVICE DEPENDENT
002403 00              1051 CTDD2 DC B'00000000' DEVICE DEPENDENT
002404 00              1052 CTDD3 DC B'00000000' DEVICE DEPENDENT

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LOCTR OBJECT TEXT      STMT SOURCE STATEMENT
002398 00              1053 CTDD4 DC B'00000000' DEVICE DEPENDENT
002399 00              1054 CTDD5 DC B'00000000' DEVICE DEPENDENT
00239A 00              1055 CTDD6 DC B'00000000' DEVICE DEPENDENT
00239B 00              1056 CTDD7 DC B'00000000' DEVICE DEPENDENT
00239C 00              1057 CTDD8 DC B'00000000' DEVICE DEPENDENT
00239D 00              1058 CTDD9 DC B'00000000' DEVICE DEPENDENT
00239E 00              1059 CTDDA DC B'00000000' DEVICE DEPENDENT
00239F 00              1060 CTDDB DC B'00000000' DEVICE DEPENDENT
0023A0 00              1061 CTDDC DC X'00' DEVICE READ ID RESULTS
0023A1 00              1062 CTDDI DC X'00' DEVICE READ ID RESULTS - BYTE 2
0023A2 0001            1063 ALGN WORD
0023A3 234B            1064 *****
0023A4 23B6            1065 * CONFIG TABLE MESSAGES = 3820 - 384F
0023A5 23B6            1066 * CONTROL BLOCK HTOE
0023A6 23B6            1067 CNM25 DC X'0001' HEX DATA 1 BYTES
0023A7 23B6            1068 DC A(CTSEE) DATA ADDRESS
0023A8 0010            1069 DC A(CTE02) EBCDIC OUT BUFFER - ENTRY #
0023A9 0000            1070 * CONTROL BLOCK HTOE
0023AA 23BA            1071 CTH20 DC A(16) # BYTES HEX DATA
0023AB 0000            1072 CTH21 DC A(0) DATA ADDRESS (HEX)
0023AC 0000            1073 CTH22 DC A(CTE04) BUFFER ADDRESS (EBCDIC)
0023AD 0000            1074 *
0023AE 384C            1075 * COMMON TABLE ENTRY
0023AF C5D5E3D9E840    1076 DC X'384C'
0023B0 C5D5E3D9E840    1077 CTE01 DC C'ENTRY '
0023B1 4040            1078 CTE02 DC C' '
0023B2 6060            1079 CTE03 DC C'-'
0023B3 4040            1080 CTE04 DC 'C' ' 16 WORDS
0023B4 40404040404040 1081 CTE05 DC '15C' ' 16 WORDS
0023B5 00              1082 CTE06 DC X'00'
0023B6 00              1083 *
0023B7 00              1084 *
0023B8 00              1085 * CONTROL BLOCK OUTIN
0023B9 00C0            1086 ALGN WORD
0023BA 23E8            1087 DC X'00C0'
0023BB 2412            1088 CMD20 DC A(CMD21)
0023BC 0002            1089 DC A(CMD22)
0023BD 0001            1090 DC A(2)
0023BE 0001            1091 DC A(1)
0023BF 3821            1092 * OUTPUT
0023C0 C1D3E3C5D9D5C1E3C 1093 DC X'3821'
0023C1 00              1094 CMD21 DC C'ALTERNATE CONSOLE DEVICE ADDRESS AND TYPE'
0023C2 00              1095 DC X'00'
0023C3 00              1096 * INPUT
0023C4 00              1097 ALGN WORD
0023C5 00              1098 CMD22 DC X'00' ADDRESS
0023C6 00              1099 CMD23 DC X'00' TYPE
0023C7 00              1100 DC X'00'
0023C8 00              1101 *
0023C9 00              1102 * CONTROL BLOCK OUTPUT
0023CA 00C0            1103 ALGN WORD
0023CB 241E            1104 DC X'00C0'
0023CC FFFF            1105 CMD25 DC A(CMD26)
0023CD 0001            1106 DC A(-1)
0023CE 3829            1107 * OUTPUT
0023CF D5D640C4C5E5C9C3C 1108 DC X'3829'
0023D0 00              1109 CMD26 DC C'NO DEVICE'
0023D1 00              1110 DC X'00'
0023D2 00C0            1111 *
0023D3 2430            1112 * CONTROL BLOCK OUTPUT
0023D4 FFFF            1113 ALGN WORD
0023D5 0000            1114 DC X'00C0'
0023D6 2430            1115 CMD30 DC A(CMD31)
0023D7 FFFF            1116 DC A(-1)
0023D8 3832            1117 * OUTPUT
0023D9 D7D9D6C7D9C1D4D4C 1118 DC X'3832'
0023DA 00              1119 CMD31 DC C'PROGRAMMER OR CE CONSOLE'
0023DB 00              1120 DC X'00'
0023DC 00              1121 *****
0023DD 00              1122 * END OF CDATA
0023DE 00              1123 *****
0023DF 00              1124 * ALGN WORD
0023E0 00              1125 *****
0023E1 00              1126 *
0023E2 00              1127 *
0023E3 00              1128 *
0023E4 00              1129 * BEGIN COMMON SUBROUTINES
0023E5 00              1130 *
0023E6 00              1131 *
0023E7 00              1132 *****
0023E8 00              1133 *****
0023E9 00              1134 *****
0023EA 6908 2378        1135 * PROCEDURE SEARCH MEMBER=CSEARCH
0023EB C260 0002        1136 * SEARCH CONFIGURATION TABLE FOR A DEVICE ADDRESS
0023EC 6E08 234C        1137 * R7 CONTAINS RETURN TO ADDRESS
0023ED 6E0D 234A        1138 * INPUT:
0023EE EE25 233E        1139 * CTSA = DEVICE ADDRESS TO SEARCH FOR
0023EF 7628            1140 * CTSEN = ENTRY # TO START SEARCH AT
0023F0 8063 2347        1141 * CBPA3 = 1 TO BYPASS A3 OEMIA ENTRIES
0023F1 100B            1142 * CBPA4 = 1 TO BYPASS A4 KITE ENTRIES
0023F2 7921 0010        1143 * OUTPUT:
0023F3 4029 234A 0001 1144 * CTSEF = 0 IF ADDRESS IS NOT FOUND
0023F4 CA24 234A        1145 * CTSEF = ENTRY # IF ADDRESS FOUND 1 -63
0023F5 1CF5            1146 * CTSEA = START ADDRESS OF ENTRY IF FOUND
0023F6 CE25 234A        1147 *****
0023F7 5016            1148 *****
0023F8 6E08 2358        1149 CSRCH EQU *
0023F9 1004            1150 CXS01 MVW CTABA,R1 CONFIGURATION TABLE ADDRESS
002400 6908 2378        1151 MVW (R1,2),R2 R2 = # ENTRIES IN TABLE
002401 C260 0002        1152 MVW CSRCH,R6 ENTRY # TO START SEARCH AT
002402 6E0D 234A        1153 MVW R6,CTSEF FIRST ENTRY FOUND #
002403 EE25 233E        1154 MVW CTABA,R6 R1 = ADDRESS OF ENTRY TO START SEARCH
002404 7628            1155 MVW R6,R1
002405 8063 2347        1156 CXS02 CB CTSA2,(R1)
002406 100B            1157 CXS04 JE CTSEF,R6 J IF ADDRESS FOUND
002407 7921 0010        1158 CXS03 AWI 16,R1 INCREMENT ADDRESS
002408 4029 234A 0001 1159 AWI 1,CTSEF INCREMENT ENTRY #
002409 CA24 234A        1160 CW CTSEF,R2
002410 1CF5            1161 JGE CTSEF,R6 J IF MORE ENTRIES TO CHECK
002411 CE25 234A        1162 MVWZ CTSEF,R6 0=ADDRESS NOT FOUND IN CONFIG TABLE
002412 5016            1163 J
002413 6E08 2358        1164 *
002414 1004            1165 CXS04 MVW ENTRY,R6 CK BYPASS A4 KITE FLAG
002415 6908 2378        1166 CXS05 JZ CTSEF,R6
002416 806B 2329 0001 1167 * BYPASS A4 KITE ENTRIES
002417 10EE            1168 CB CDTA4,(R1,1) KITE DEVICE TYPE = A4
002418 10EE            1168 JE CXS03 BYPASS & CONTINUE SEARCH

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LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
00248A	6E08 2356	1169	CXS05 MVW CBPA3,R6	CK BYPASS A3 OEMIA FLAG
00248E	100	1170	JZ CXS06	
002490	806B 2328 0001	1171	* BYPASS A3 KITE OEMIA ENTRIES	
002496	10E7	1172	CB CDTA3,(R1,1)	OEMIA DEVICE TYPE = A3
002498	806B 2320 0001	1173	* JE CXS05	BYPASS & CONTINUE SEARCH
00249E	10E3	1174	* CXS06 CB CDT3D,(R1,1)	FLOATING POINT ENTRIES
0024A0	806B 232E 0001	1175	JE CXS03	FLOATING POINT DEVICE TYPE = 3D
0024A6	10DF	1176	* JE CXS03	BYPASS & CONTINUE SEARCH
0024A8	690D 2348	1177	* CXS08 MVW R1,CTSFA	BYPASS E0 COM SYS ENTRIES
0024AC	68E2 0000	1178	B (R7)	COM SYS DEVICE TYPE = E0
		1179	* RETURN	BYPASS & CONTINUE SEARCH
		1180	*****	
		1181	*****	
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LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
002590	5028	1284	J CYI60	
002592	8828 24F6 24EE	1285	* J	
002598	8028 2332 24C3	1286	*****	
00259E	5021	1287	*****	
0025A0	1710	1288	*****	
0025A2	6806 25B4	1289	*****	
0025A6	8828 24F8 24EE	1291	*****	
0025AC	8028 2333 24C3	1292	*****	
0025B2	5017	1293	*****	
0025B4	8828 24FA 24EE	1294	*****	
0025BA	8028 2334 24C3	1295	*****	
0025C0	5010	1296	*****	
0025C2	6806 25D4	1297	*****	
0025C6	8828 24FC 24EE	1298	*****	
0025CC	8028 2335 24C3	1299	*****	
0025D2	5007	1300	*****	
0025D4	8828 24FE 24EE	1301	*****	
0025DA	8028 2336 24C3	1302	*****	
0025E0	5000	1303	*****	
0025E2	402F 2354 0001	1304	*****	
0025E8	1012	1305	*****	
0025EA	402F 2352 0001	1306	*****	
0025F0	100B	1307	*****	
0025F2	4724 2500	1308	*****	
0025F6	601A	1309	*****	
0025F8	8028 24C1 24C2	1310	*****	
0025FE	6B08 24C2	1311	*****	
002602	4724 24CA	1312	*****	
002606	6000	1313	*****	
002608	4020 235A 0001	1314	*****	
00260E	68C2 0000	1315	*****	
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		1400	*****	

Table with columns: LOCTR, OBJECT TEXT, STMT, SOURCE STATEMENT, and COPYRIGHT IBM CORP 1976. It lists device configurations for LOCTR 0026CC through 002820.

Table with columns: LOCTR, OBJECT TEXT, STMT, SOURCE STATEMENT, and COPYRIGHT IBM CORP 1976. It lists device configurations for LOCTR 002820 through 002906.

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
1630		*****	*****
1631		*	END OF CADTY PROCEDURE
1632		*****	*****
1633		*****	*****
1634		*****	*****
1635		*	PROCEDURE STYPE
1636		*	FIND SYSTEM TYPE
1637		*	DIAG X'04' INSTRUCTION RETURNS RO = X'0002' FOR BELLE 4952
1638		*	X'0003' FOR ELBERTA 4953
1639		*	X'0005' FOR CLING 4955
1640		*	RETURN R1=22 FOR BELLE 4952
1641		*	R1=23 FOR ELBERTA 4953
1642		*	R1=25 FOR CLING 4955
1643		*	RETURN TO NEXT INSTRUCTION
1644		*****	*****
1645		STYPE DIAG X'04'	DIAGNOSE SYSTEM TYPE
1646		CBI X'02',RO	
1647		STYP5,RO	
1648		CBI X'03',RO	
1649		JE STYP7	
1650		*	4955 = '0005'
1651		MVBI X'25',R1	
1652		J STYP9	
1653		*	4952 = '0002'
1654		STYP5 MVBI X'22',R1	
1655		J STYP9	
1656		*	4953 = '0003'
1657		STYP7 MVBI X'23',R1	
1658		STYP9 B (R7)	
1659		*****	END OF SYSTEM TYPE PROCEDURE *****
1660		*	*****
1661		*	*****
1662		*	*****
1663		*****	*****
1664		*	PROCEDURE CDCPT
1665		*	CHECK FOR DCP TERMINATE BIT ON - BIT 0 OPTION WORD 1
1666		*****	*****
1667		CDCPR DC X'0000'	RETURN ADDRESS
1668		*****	*****
1669		CDCPT MVW R7 CDCPR	SAVE RETURN ADDRESS
1670		HVW AOPTM1,R7	@ OF OPTON WORD 1 IN BASIC
1671		TBT (R7,0)	BIT 0 = DCP TERMINATE PROGRAM
1672		JZ CDCPU	GO
1673		*-----	
1674		SVC TERM	TERMINATE PROGRAM
1675		*-----	
1676		CDCPU B CDCPR*	RETURN
1677		*****	*****
1678		*	END CHECK FOR DCP TERMINATE
1679		*****	*****
1680		*****	*****
1681		*****	*****
1682		*	PROCEDURE WANDT
1683		*	PURPOSE - A) WRITE CONFIGURATION TABLE TO DISK AND TERMINATE.
1684		*	B) TERMINATE.
1685		*****	*****
1686		WANDT MVA CTRL5,R7	
1687		SVC WRIT	WRITE DISK
1688		CTERM SVC TERM	TERMINATE PROGRAM
1689		*****	*****
1690		*****	*****
1691		*	END OF COMMON SUBROUTINES
1692		*****	*****
1693		*****	*****
1694		*****	*****
1695		*****	*****
1696		*****	*****
1697		END CYROO	END OF PROGRAM
1698		*****	*****
1699		*	END OF CONFIGURATION PROGRAM
1700		*****	*****

00290A 6504  
 00290C F002  
 00290E 1004  
 002910 F003  
 002912 1004

002914 0925  
 002916 5003

002918 0922  
 00291A 5001

00291C 0923  
 00291E 68E2 0000

002922 0000

002924 6F0D 2922  
 002928 6F0B 231E  
 00292C 4F00  
 00292E 1001

002930 6007

002932 6812 2922

002936 4724 236A  
 00293A 6020  
 00293C 6007

001D70

DECLARED	NAME	ATTRIBUTES AND REFERENCES
943	ALTER	ADDRESS. HEX LOCATION (0000231C) IN CSECT (038F6 ) LENGTH (2)
945	AOPTN1	ADDRESS. HEX LOCATION (0000231E) IN CSECT (038F6 ) LENGTH (2)
1583	CACRA	ADDRESS. HEX LOCATION (000028BA) IN CSECT (038F6 ) LENGTH (2)
1569	CAC05	ADDRESS. HEX LOCATION (000028BE) IN CSECT (038F6 ) LENGTH (6)
1579	CAC10	ADDRESS. HEX LOCATION (000028AA) IN CSECT (038F6 ) LENGTH (6)
1601	CADTY	ADDRESS. HEX LOCATION (000028BE) IN CSECT (038F6 ) LENGTH (4)
1624	CAD10	ADDRESS. HEX LOCATION (000028FC) IN CSECT (038F6 ) LENGTH (4)
1627	CAD20	ADDRESS. HEX LOCATION (00002902) IN CSECT (038F6 ) LENGTH (4)
1629	CAD30	ADDRESS. HEX LOCATION (00002906) IN CSECT (038F6 ) LENGTH (4)
982	CAEAD	ADDRESS. HEX LOCATION (00002342) IN CSECT (038F6 ) LENGTH (1)
983	CAEAE	ADDRESS. HEX LOCATION (00002343) IN CSECT (038F6 ) LENGTH (1)
1598	CAERA	ADDRESS. HEX LOCATION (000028BC) IN CSECT (038F6 ) LENGTH (2)
984	CAETY	ADDRESS. HEX LOCATION (00002344) IN CSECT (038F6 ) LENGTH (1)
985	CAETZ	ADDRESS. HEX LOCATION (00002345) IN CSECT (038F6 ) LENGTH (1)
998	CBPA3	ADDRESS. HEX LOCATION (00002356) IN CSECT (038F6 ) LENGTH (2)
999	CBPA4	ADDRESS. HEX LOCATION (00002358) IN CSECT (038F6 ) LENGTH (2)
1000	CCERR	ADDRESS. HEX LOCATION (0000235A) IN CSECT (038F6 ) LENGTH (2)
1667	CDCPR	ADDRESS. HEX LOCATION (00002922) IN CSECT (038F6 ) LENGTH (2)
1669	CDCPT	ADDRESS. HEX LOCATION (00002924) IN CSECT (038F6 ) LENGTH (4)
1676	CDCPU	ADDRESS. HEX LOCATION (00002932) IN CSECT (038F6 ) LENGTH (4)
1500	CDEVT	ADDRESS. HEX LOCATION (00002800) IN CSECT (038F6 ) LENGTH (4)
957	CDTA3	ADDRESS. HEX LOCATION (00002328) IN CSECT (038F6 ) LENGTH (1)
958	CDTA4	ADDRESS. HEX LOCATION (00002329) IN CSECT (038F6 ) LENGTH (1)
963	CDTE0	ADDRESS. HEX LOCATION (0000232E) IN CSECT (038F6 ) LENGTH (1)
949	CDT3D	ADDRESS. HEX LOCATION (00002320) IN CSECT (038F6 ) LENGTH (1)
951	CDT40	ADDRESS. HEX LOCATION (00002322) IN CSECT (038F6 ) LENGTH (1)
952	CDT44	ADDRESS. HEX LOCATION (00002323) IN CSECT (038F6 ) LENGTH (1)
953	CDT45	ADDRESS. HEX LOCATION (00002324) IN CSECT (038F6 ) LENGTH (1)
954	CDT64	ADDRESS. HEX LOCATION (00002325) IN CSECT (038F6 ) LENGTH (1)
955	CDT68	ADDRESS. HEX LOCATION (00002326) IN CSECT (038F6 ) LENGTH (1)
1494	CDVRA	ADDRESS. HEX LOCATION (000027FC) IN CSECT (038F6 ) LENGTH (2)
1495	CDVR1	ADDRESS. HEX LOCATION (000027FE) IN CSECT (038F6 ) LENGTH (2)
1007	CDVT1	ADDRESS. HEX LOCATION (00002362) IN CSECT (038F6 ) LENGTH (4)
1008	CDVT2	ADDRESS. HEX LOCATION (00002366) IN CSECT (038F6 ) LENGTH (4)
1001	CEDN1	ADDRESS. HEX LOCATION (0000235C) IN CSECT (038F6 ) LENGTH (1)
1003	CHACT	ADDRESS. HEX LOCATION (0000235E) IN CSECT (038F6 ) LENGTH (1)
101	CIM31	ADDRESS. HEX LOCATION (00001DE2) IN CSECT (038F6 ) LENGTH (6)
102	CIM32	ADDRESS. HEX LOCATION (00001DE8) IN CSECT (038F6 ) LENGTH (6)
997	CINCF	ADDRESS. HEX LOCATION (00002354) IN CSECT (038F6 ) LENGTH (2)
1088	CMD20	ADDRESS. HEX LOCATION (000023DE) IN CSECT (038F6 ) LENGTH (2)
1094	CMD21	ADDRESS. HEX LOCATION (000023E8) IN CSECT (038F6 ) LENGTH (4 1)
1098	CMD22	ADDRESS. HEX LOCATION (00002412) IN CSECT (038F6 ) LENGTH (1)
1099	CMD23	ADDRESS. HEX LOCATION (00002413) IN CSECT (038F6 ) LENGTH (1)
1105	CMD25	ADDRESS. HEX LOCATION (00002418) IN CSECT (038F6 ) LENGTH (2)
1109	CMD26	ADDRESS. HEX LOCATION (0000241E) IN CSECT (038F6 ) LENGTH (9)
1115	CMD30	ADDRESS. HEX LOCATION (0000242A) IN CSECT (038F6 ) LENGTH (2)
1119	CMD31	ADDRESS. HEX LOCATION (00002430) IN CSECT (038F6 ) LENGTH (24)
137	CNMA6	ADDRESS. HEX LOCATION (00001E36) IN CSECT (038F6 ) LENGTH (2)
141	CNMA7	ADDRESS. HEX LOCATION (00001E3C) IN CSECT (038F6 ) LENGTH (18)
146	CNMA8	ADDRESS. HEX LOCATION (00001E50) IN CSECT (038F6 ) LENGTH (2)
166	CNMBB	ADDRESS. HEX LOCATION (00001E6E) IN CSECT (038F6 ) LENGTH (2)
151	CNMB0	ADDRESS. HEX LOCATION (00001E56) IN CSECT (038F6 ) LENGTH (2)
155	CNMB1	ADDRESS. HEX LOCATION (00001E5C) IN CSECT (038F6 ) LENGTH (2)
160	CNMB5	ADDRESS. HEX LOCATION (00001E64) IN CSECT (038F6 ) LENGTH (2)
164	CNMB6	ADDRESS. HEX LOCATION (00001E6A) IN CSECT (038F6 ) LENGTH (2)
168	CNMB7	ADDRESS. HEX LOCATION (00001E72) IN CSECT (038F6 ) LENGTH (4)



CROSS-REFERENCE LISTING

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
170	CNMB8	157 ADDRESS. HEX LOCATION(00001E78) IN CSECT(038F6 ) LENGTH(4)
171	CNMB9	456 ADDRESS. HEX LOCATION(00001E7C) IN CSECT(038F6 ) LENGTH(4)
177	CNMC1	457 ADDRESS. HEX LOCATION(00001E84) IN CSECT(038F6 ) LENGTH(2)
181	CNMC2	422 ADDRESS. HEX LOCATION(00001E8A) IN CSECT(038F6 ) LENGTH(2)
182	CNMC3	177 ADDRESS. HEX LOCATION(00001E8C) IN CSECT(038F6 ) LENGTH(2)
203	CNMD1	415 418 421 ADDRESS. HEX LOCATION(00001E92) IN CSECT(038F6 ) LENGTH(2)
209	CNMD2	477 ADDRESS. HEX LOCATION(00001E9C) IN CSECT(038F6 ) LENGTH(39)
213	CNMD3	203 ADDRESS. HEX LOCATION(00001EC4) IN CSECT(038F6 ) LENGTH(1)
219	CNMD4	204 220 ADDRESS. HEX LOCATION(00001EC8) IN CSECT(038F6 ) LENGTH(2)
225	CNMD5	523 ADDRESS. HEX LOCATION(00001ED2) IN CSECT(038F6 ) LENGTH(38)
112	CNH06	215 ADDRESS. HEX LOCATION(00001DF8) IN CSECT(038F6 ) LENGTH(17)
113	CNH07	108 ADDRESS. HEX LOCATION(00001E09) IN CSECT(038F6 ) LENGTH(6)
116	CNH08	125 ADDRESS. HEX LOCATION(00001E1D) IN CSECT(038F6 ) LENGTH(4)
239	COPTP	121 ADDRESS. HEX LOCATION(00001EFC) IN CSECT(038F6 ) LENGTH(2)
418	CSE00	352 353 355 357 359 361 363 365 367 369 371 373 375 377 379 381 383 385 ADDRESS. HEX LOCATION(0000210A) IN CSECT(038F6 ) LENGTH(6)
421	CSE01	411 ADDRESS. HEX LOCATION(00002112) IN CSECT(038F6 ) LENGTH(6)
422	CSE02	415 ADDRESS. HEX LOCATION(00002118) IN CSECT(038F6 ) LENGTH(4)
439	CSE03	416 419 ADDRESS. HEX LOCATION(0000212A) IN CSECT(038F6 ) LENGTH(6)
461	CSE05	463 ADDRESS. HEX LOCATION(00002170) IN CSECT(038F6 ) LENGTH(6)
1021	CFABA	444 ADDRESS. HEX LOCATION(00002378) IN CSECT(038F6 ) LENGTH(2)
1026	CTABN	483 1149 ADDRESS. HEX LOCATION(00002382) IN CSECT(038F6 ) LENGTH(2)
1022	CTABU	1579 ADDRESS. HEX LOCATION(0000237A) IN CSECT(038F6 ) LENGTH(2)
994	CTADD	484 ADDRESS. HEX LOCATION(0000234F) IN CSECT(038F6 ) LENGTH(1)
993	CTAD1	152 439 ADDRESS. HEX LOCATION(0000234E) IN CSECT(038F6 ) LENGTH(1)
966	CTC01	435 461 462 ADDRESS. HEX LOCATION(00002330) IN CSECT(038F6 ) LENGTH(1)
967	CTC02	476 1278 ADDRESS. HEX LOCATION(00002331) IN CSECT(038F6 ) LENGTH(1)
968	CTC03	1283 ADDRESS. HEX LOCATION(00002332) IN CSECT(038F6 ) LENGTH(1)
969	CTC04	1287 ADDRESS. HEX LOCATION(00002333) IN CSECT(038F6 ) LENGTH(1)
970	CTC05	1293 ADDRESS. HEX LOCATION(00002334) IN CSECT(038F6 ) LENGTH(1)
971	CTC06	1297 ADDRESS. HEX LOCATION(00002335) IN CSECT(038F6 ) LENGTH(1)
972	CTC07	1302 ADDRESS. HEX LOCATION(00002336) IN CSECT(038F6 ) LENGTH(1)
53	CTC16	1306 ADDRESS. HEX LOCATION(00001D81) IN CSECT(038F6 ) LENGTH(1)
57	CTC52	486 ADDRESS. HEX LOCATION(00001D84) IN CSECT(038F6 ) LENGTH(2)
58	CTC53	418 ADDRESS. HEX LOCATION(00001D86) IN CSECT(038F6 ) LENGTH(2)
59	CTC55	421 ADDRESS. HEX LOCATION(00001D88) IN CSECT(038F6 ) LENGTH(2)
1077	CTE01	415 ADDRESS. HEX LOCATION(000023B0) IN CSECT(038F6 ) LENGTH(6)
1078	CTE02	130 ADDRESS. HEX LOCATION(000023B6) IN CSECT(038F6 ) LENGTH(2)
1080	CTE04	1069 ADDRESS. HEX LOCATION(000023BA) IN CSECT(038F6 ) LENGTH(2)
1206	CTICA	1073 ADDRESS. HEX LOCATION(000024C2) IN CSECT(038F6 ) LENGTH(1)
1207	CTICC	1318 1319 ADDRESS. HEX LOCATION(000024C3) IN CSECT(038F6 ) LENGTH(1)
1195	CTICT	1278 1283 1287 1293 1297 1302 1306 ADDRESS. HEX LOCATION(000024B2) IN CSECT(038F6 ) LENGTH(2)
1205	CTIDA	1268 1270 1271 ADDRESS. HEX LOCATION(000024C1) IN CSECT(038F6 ) LENGTH(1)
1204	CTIDD	439 1197 1318 ADDRESS. HEX LOCATION(000024C0) IN CSECT(038F6 ) LENGTH(1)
1210	CTIDF	1234 1602 ADDRESS. HEX LOCATION(000024C6) IN CSECT(038F6 ) LENGTH(2)
1209	CTIID	443 1240 1248 ADDRESS. HEX LOCATION(000024C4) IN CSECT(038F6 ) LENGTH(2)
1194	CTIT2	120 156 450 1241 1247 1606 ADDRESS. HEX LOCATION(000024B0) IN CSECT(038F6 ) LENGTH(2)
1197	CTI04	1249 1261 1264 1276 ADDRESS. HEX LOCATION(000024B4) IN CSECT(038F6 ) LENGTH(2)
1202	CTI05	1244 1265 ADDRESS. HEX LOCATION(000024BE) IN CSECT(038F6 ) LENGTH(2)
1215	CTI15	1247 ADDRESS. HEX LOCATION(000024CA) IN CSECT(038F6 ) LENGTH(2)
1219	CTI16	1320 ADDRESS. HEX LOCATION(000024D0) IN CSECT(038F6 ) LENGTH(20)
1220	CTI17	1215 ADDRESS. HEX LOCATION(000024E4) IN CSECT(038F6 ) LENGTH(4)
1222	CTI18	1235 ADDRESS. HEX LOCATION(000024EE) IN CSECT(038F6 ) LENGTH(2)
1225	CTI20	1277 1282 1286 1292 1296 1301 1305 ADDRESS. HEX LOCATION(000024F2) IN CSECT(038F6 ) LENGTH(2)
1226	CTI30	1297 ADDRESS. HEX LOCATION(000024F4) IN CSECT(038F6 ) LENGTH(2)
1227	CTI35	1282 ADDRESS. HEX LOCATION(000024F6) IN CSECT(038F6 ) LENGTH(2)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1228	CTI40	1286 ADDRESS. HEX LOCATION(000024F8) IN CSECT(038F6 ) LENGTH(2)
1229	CTI45	1292 ADDRESS. HEX LOCATION(000024FA) IN CSECT(038F6 ) LENGTH(2)
1230	CTI50	1296 ADDRESS. HEX LOCATION(000024FC) IN CSECT(038F6 ) LENGTH(2)
1231	CTI55	1301 ADDRESS. HEX LOCATION(000024FE) IN CSECT(038F6 ) LENGTH(2)
1233	CTI60	1305 ADDRESS. HEX LOCATION(00002500) IN CSECT(038F6 ) LENGTH(2)
1005	CTMC1	1315 ADDRESS. HEX LOCATION(00002360) IN CSECT(038F6 ) LENGTH(1)
1006	CTMC2	482 517 ADDRESS. HEX LOCATION(00002361) IN CSECT(038F6 ) LENGTH(1)
329	CTMT3	86 ADDRESS. HEX LOCATION(00002036) IN CSECT(038F6 ) LENGTH(2)
335	CTMU4	388 ADDRESS. HEX LOCATION(00002040) IN CSECT(038F6 ) LENGTH(8)
339	CTMU5	329 ADDRESS. HEX LOCATION(0000204A) IN CSECT(038F6 ) LENGTH(1)
76	CTM23	330 393 ADDRESS. HEX LOCATION(00001D9C) IN CSECT(038F6 ) LENGTH(3)
70	CTM24	6 ADDRESS. HEX LOCATION(00001D92) IN CSECT(038F6 ) LENGTH(2)
74	CTM25	515 ADDRESS. HEX LOCATION(00001D98) IN CSECT(038F6 ) LENGTH(2)
81	CTM26	70 87 ADDRESS. HEX LOCATION(00001DC4) IN CSECT(038F6 ) LENGTH(4)
82	CTM27	496 ADDRESS. HEX LOCATION(00001DC8) IN CSECT(038F6 ) LENGTH(4)
65	CTM30	497 ADDRESS. HEX LOCATION(00001D8A) IN CSECT(038F6 ) LENGTH(2)
66	CTM31	491 ADDRESS. HEX LOCATION(00001D8C) IN CSECT(038F6 ) LENGTH(2)
77	CTM40	490 ADDRESS. HEX LOCATION(00001D9F) IN CSECT(038F6 ) LENGTH(28)
78	CTM41	500 ADDRESS. HEX LOCATION(00001DBB) IN CSECT(038F6 ) LENGTH(7)
79	CTM42	501 ADDRESS. HEX LOCATION(00001DC2) IN CSECT(038F6 ) LENGTH(1)
85	CTM50	502 ADDRESS. HEX LOCATION(00001DCE) IN CSECT(038F6 ) LENGTH(2)
1030	CTRL1	488 ADDRESS. HEX LOCATION(00002389) IN CSECT(038F6 ) LENGTH(5)
1011	CTRL5	479 525 ADDRESS. HEX LOCATION(0000236A) IN CSECT(038F6 ) LENGTH(2)
1014	CTRL6	1686 ADDRESS. HEX LOCATION(00002370) IN CSECT(038F6 ) LENGTH(4)
988	CTSA2	1011 ADDRESS. HEX LOCATION(00002347) IN CSECT(038F6 ) LENGTH(1)
989	CTSEA	1155 ADDRESS. HEX LOCATION(00002348) IN CSECT(038F6 ) LENGTH(2)
991	CTSEE	1181 ADDRESS. HEX LOCATION(0000234B) IN CSECT(038F6 ) LENGTH(1)
990	CTSEF	1068 ADDRESS. HEX LOCATION(0000234A) IN CSECT(038F6 ) LENGTH(1)
992	CTSEN	1152 1158 1159 1161 ADDRESS. HEX LOCATION(0000234C) IN CSECT(038F6 ) LENGTH(2)
979	CTWFF	1451 ADDRESS. HEX LOCATION(00002340) IN CSECT(038F6 ) LENGTH(2)
976	CTW00	462 ADDRESS. HEX LOCATION(0000233A) IN CSECT(038F6 ) LENGTH(2)
978	CTW16	482 ADDRESS. HEX LOCATION(0000233E) IN CSECT(038F6 ) LENGTH(2)
388	CXIN8	1153 ADDRESS. HEX LOCATION(000020DE) IN CSECT(038F6 ) LENGTH(4)
482	CXNPS	351 ADDRESS. HEX LOCATION(00002198) IN CSECT(038F6 ) LENGTH(6)
513	CXPCE	475 ADDRESS. HEX LOCATION(000021FE) IN CSECT(038F6 ) LENGTH(2)
527	CXPE	508 ADDRESS. HEX LOCATION(00002228) IN CSECT(038F6 ) LENGTH(4)
488	CXPL	522 ADDRESS. HEX LOCATION(000021AE) IN CSECT(038F6 ) LENGTH(4)
503	CXPMC	520 ADDRESS. HEX LOCATION(000021E4) IN CSECT(038F6 ) LENGTH(2)
473	CXPRT	514 ADDRESS. HEX LOCATION(00002182) IN CSECT(038F6 ) LENGTH(1)
1155	CXS02	402 ADDRESS. HEX LOCATION(00002460) IN CSECT(038F6 ) LENGTH(4)
1157	CXS03	1160 ADDRESS. HEX LOCATION(00002466) IN CSECT(038F6 ) LENGTH(4)
1164	CXS04	1168 1173 1176 1179 ADDRESS. HEX LOCATION(0000247C) IN CSECT(038F6 ) LENGTH(4)
1169	CXS05	1156 ADDRESS. HEX LOCATION(0000248A) IN CSECT(038F6 ) LENGTH(4)
1175	CXS06	1165 ADDRESS. HEX LOCATION(00002498) IN CSECT(038F6 ) LENGTH(6)
1181	CXS08	1170 ADDRESS. HEX LOCATION(000024A8) IN CSECT(038F6 ) LENGTH(4)
1240	CYI05	1162 ADDRESS. HEX LOCATION(0000250A) IN CSECT(038F6 ) LENGTH(6)
1254	CYI10	1273 ADDRESS. HEX LOCATION(00002536) IN CSECT(038F6 ) LENGTH(2)
1261	CYI20	1198 ADDRESS. HEX LOCATION(00002540) IN CSECT(038F6 ) LENGTH(6)
1269	CYI22	1256 ADDRESS. HEX LOCATION(0000255A) IN CSECT(038F6 ) LENGTH(2)
1276	CYI25	1272 ADDRESS. HEX LOCATION(0000256C) IN CSECT(038F6 ) LENGTH(6)
1280	CYI30	1262 ADDRESS. HEX LOCATION(00002580) IN CSECT(038F6 ) LENGTH(4)
1286	CYI35	1255 ADDRESS. HEX LOCATION(00002592) IN CSECT(038F6 ) LENGTH(6)
1289	CYI40	1280 ADDRESS. HEX LOCATION(000025A0) IN CSECT(038F6 ) LENGTH(2)
1296	CYI45	1294 ADDRESS. HEX LOCATION(000025B4) IN CSECT(038F6 ) LENGTH(6)
1299	CYI50	1290 ADDRESS. HEX LOCATION(000025C2) IN CSECT(038F6 ) LENGTH(4)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1305	CYI55	ADDRESS. HEX LOCATION(000025D4) IN CSECT(038F6 ) LENGTH(6)
1309	CYI60	ADDRESS. HEX LOCATION(000025E2) IN CSECT(038F6 ) LENGTH(6)
1322	CYI65	ADDRESS. HEX LOCATION(00002608) IN CSECT(038F6 ) LENGTH(6)
1324	CYI70	ADDRESS. HEX LOCATION(0000260E) IN CSECT(038F6 ) LENGTH(4)
1238	CYRID	ADDRESS. HEX LOCATION(00002506) IN CSECT(038F6 ) LENGTH(2)
41	CYR00	ADDRESS. HEX LOCATION(00001D70) IN CSECT(038F6 ) LENGTH(4)
1504	DET15	ADDRESS. HEX LOCATION(0000280C) IN CSECT(038F6 ) LENGTH(1)
1521	DET17	ADDRESS. HEX LOCATION(00002832) IN CSECT(038F6 ) LENGTH(1)
1525	DET18	ADDRESS. HEX LOCATION(0000283A) IN CSECT(038F6 ) LENGTH(1)
1539	DET20	ADDRESS. HEX LOCATION(0000285A) IN CSECT(038F6 ) LENGTH(1)
1546	DET21	ADDRESS. HEX LOCATION(0000286A) IN CSECT(038F6 ) LENGTH(1)
1342	DNTAB	ADDRESS. HEX LOCATION(00002612) IN CSECT(038F6 ) LENGTH(2)
1482	DVTNA	ADDRESS. HEX LOCATION(000027D4) IN CSECT(038F6 ) LENGTH(2)
1489	DVTUN	ADDRESS. HEX LOCATION(000027F4) IN CSECT(038F6 ) LENGTH(8)
54	EBBLA	ADDRESS. HEX LOCATION(00001D82) IN CSECT(038F6 ) LENGTH(1)
744	EIGHT	ABSOLUTE. HEX VALUE(00000008)
750	FORTN	ABSOLUTE. HEX VALUE(0000000E)
740	FOUR	ABSOLUTE. HEX VALUE(00000004)
690	HTOE	ABSOLUTE. HEX VALUE(0000001A)
666	IDLE	ABSOLUTE. HEX VALUE(00000002)
940	OLYRA	ADDRESS. HEX LOCATION(00002318) IN CSECT(038F6 ) LENGTH(2)
737	ONE	ABSOLUTE. HEX VALUE(00000001)
243	OPL01	ADDRESS. HEX LOCATION(00001F02) IN CSECT(038F6 ) LENGTH(12)
248	OPL03	ADDRESS. HEX LOCATION(00001F12) IN CSECT(038F6 ) LENGTH(14)
253	OPL04	ADDRESS. HEX LOCATION(00001F24) IN CSECT(038F6 ) LENGTH(9)
258	OPL05	ADDRESS. HEX LOCATION(00001F30) IN CSECT(038F6 ) LENGTH(9)
263	OPL06	ADDRESS. HEX LOCATION(00001F3C) IN CSECT(038F6 ) LENGTH(20)
268	OPL07	ADDRESS. HEX LOCATION(00001F54) IN CSECT(038F6 ) LENGTH(12)
273	OPL08	ADDRESS. HEX LOCATION(00001F64) IN CSECT(038F6 ) LENGTH(17)
278	OPL09	ADDRESS. HEX LOCATION(00001F78) IN CSECT(038F6 ) LENGTH(21)
283	OPL10	ADDRESS. HEX LOCATION(00001F90) IN CSECT(038F6 ) LENGTH(15)
288	OPL11	ADDRESS. HEX LOCATION(00001FA2) IN CSECT(038F6 ) LENGTH(25)
293	OPL12	ADDRESS. HEX LOCATION(00001FBE) IN CSECT(038F6 ) LENGTH(6)
298	OPL13	ADDRESS. HEX LOCATION(00001FC8) IN CSECT(038F6 ) LENGTH(22)
303	OPL14	ADDRESS. HEX LOCATION(00001FE2) IN CSECT(038F6 ) LENGTH(19)
308	OPL15	ADDRESS. HEX LOCATION(00001FF8) IN CSECT(038F6 ) LENGTH(17)
313	OPL16	ADDRESS. HEX LOCATION(0000200C) IN CSECT(038F6 ) LENGTH(7)
318	OPL17	ADDRESS. HEX LOCATION(00002016) IN CSECT(038F6 ) LENGTH(17)
323	OPL18	ADDRESS. HEX LOCATION(0000202A) IN CSECT(038F6 ) LENGTH(8)
664	OUT	ABSOLUTE. HEX VALUE(00000000)
665	OUTIN	ABSOLUTE. HEX VALUE(00000001)
3	038F6	CSECT. START(00001D70) LENGTH(3022) ESDID(1)
996	PASS1	ADDRESS. HEX LOCATION(00002352) IN CSECT(038F6 ) LENGTH(2)
52	PDEVT	ADDRESS. HEX LOCATION(00001D80) IN CSECT(038F6 ) LENGTH(1)
349	PROPT	ADDRESS. HEX LOCATION(0000204C) IN CSECT(038F6 ) LENGTH(1)
541	PSSIT	ADDRESS. HEX LOCATION(00002232) IN CSECT(038F6 ) LENGTH(2)
585	PSSMA	ADDRESS. HEX LOCATION(0000228A) IN CSECT(038F6 ) LENGTH(2)
589	PSSMB	ADDRESS. HEX LOCATION(00002290) IN CSECT(038F6 ) LENGTH(4)
551	PSSH0	ADDRESS. HEX LOCATION(00002244) IN CSECT(038F6 ) LENGTH(2)
555	PSSH1	ADDRESS. HEX LOCATION(00002248) IN CSECT(038F6 ) LENGTH(2)
559	PSSH2	ADDRESS. HEX LOCATION(0000224E) IN CSECT(038F6 ) LENGTH(2)
564	PSSH4	ADDRESS. HEX LOCATION(00002260) IN CSECT(038F6 ) LENGTH(2)
565	PSSH5	ADDRESS. HEX LOCATION(00002262) IN CSECT(038F6 ) LENGTH(2)
569	PSSH6	ADDRESS. HEX LOCATION(00002266) IN CSECT(038F6 ) LENGTH(2)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
573	PSSM7	ADDRESS. HEX LOCATION(0000226C) IN CSECT(038F6 ) LENGTH(2)
579	PSSM9	ADDRESS. HEX LOCATION(00002282) IN CSECT(038F6 ) LENGTH(2)
540	PSSOS	ADDRESS. HEX LOCATION(00002230) IN CSECT(038F6 ) LENGTH(2)
538	PSSRA	ADDRESS. HEX LOCATION(0000222C) IN CSECT(038F6 ) LENGTH(2)
539	PSSSS	ADDRESS. HEX LOCATION(0000222E) IN CSECT(038F6 ) LENGTH(2)
601	PSS02	ADDRESS. HEX LOCATION(000022BC) IN CSECT(038F6 ) LENGTH(4)
608	PSS04	ADDRESS. HEX LOCATION(000022D0) IN CSECT(038F6 ) LENGTH(4)
618	PSS06	ADDRESS. HEX LOCATION(000022EC) IN CSECT(038F6 ) LENGTH(6)
630	PSS08	ADDRESS. HEX LOCATION(00002310) IN CSECT(038F6 ) LENGTH(4)
638	PSTRE	ADDRESS. HEX LOCATION(00002314) IN CSECT(038F6 ) LENGTH(4)
400	PSTRT	ADDRESS. HEX LOCATION(000020F0) IN CSECT(038F6 ) LENGTH(1)
55	PSWIT	ADDRESS. HEX LOCATION(00001D83) IN CSECT(038F6 ) LENGTH(1)
695	READI	ABSOLUTE. HEX VALUE(0000001F)
672	RESET	ABSOLUTE. HEX VALUE(00000008)
673	RID	ABSOLUTE. HEX VALUE(00000009)
0	R0	REGISTER. HEX VALUE(00000000)
0	R1	REGISTER. HEX VALUE(00000001)
0	R2	REGISTER. HEX VALUE(00000002)
0	R3	REGISTER. HEX VALUE(00000003)
0	R4	REGISTER. HEX VALUE(00000004)
0	R5	REGISTER. HEX VALUE(00000005)
0	R6	REGISTER. HEX VALUE(00000006)
0	R7	REGISTER. HEX VALUE(00000007)
742	SIX	ABSOLUTE. HEX VALUE(00000006)
1654	STYP5	ADDRESS. HEX LOCATION(00002918) IN CSECT(038F6 ) LENGTH(2)
1657	STYP7	ADDRESS. HEX LOCATION(0000291C) IN CSECT(038F6 ) LENGTH(2)
1658	STYP9	ADDRESS. HEX LOCATION(0000291E) IN CSECT(038F6 ) LENGTH(4)
746	TEN	ABSOLUTE. HEX VALUE(0000000A)
671	TERM	ABSOLUTE. HEX VALUE(00000007)
738	TWO	ABSOLUTE. HEX VALUE(00000002)
696	WRITI	ABSOLUTE. HEX VALUE(00000020)
736	ZERO	ABSOLUTE. HEX VALUE(00000000)

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