

€ 09 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22 ☐ 23 ☐ 24 ☐ 25 ☐ 26 ☐ 27 ☐ 28 ☐ 29 ☐ 30 ☐ 31 ☐ 32 ☐ 33 ☐ 34 ☐ 35 ☐ 36 ☐ 37 ☐ 38 ☐ 39 ☐ 40 ☐ 41 ☐ 42 ☐ 43 ☐ 44 ☐ 45 ☐ 46 ☐ 47 ☐ 48 ☐ 49 ☐ 50 ☐ 51 ☐ 52 ☐ 53 ☐ 54 ☐ 55 ☐ 56 ☐ 57 ☐ 58 ☐ 59 ☐ 60 ☐ 61 ☐ 62 ☐ 63 ☐ 64 ☐ 65 ☐ 66 ☐ 67 ☐ 68 ☐ 69 ☐ 70 ☐ 71 ☐ 72 ☐ 73 ☐ 74 ☐ 75 ☐ 76 ☐ 77 ☐ 78 ☐ 79 ☐ 80 ☐ 81 ☐ 82 ☐ 83 ☐ 84 ☐ 85 ☐ 86 ☐ 87 ☐ 88 ☐ 89 ☐ 90 ☐ 91 ☐ 92 ☐ 93 ☐ 94 ☐ 95 ☐ 96 ☐ 97 ☐ 98 ☐ 99 ☐ 100

























































































[illegible]

















































































































































































A horizontal row of 18 small square icons. Each icon contains a unique geometric design, such as concentric squares, triangles, dots, and various patterns of lines and shapes.

1A 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A























































1A 1A 1A 1A 1A 1A 1A 1A 1A 1A

[illegible]

CC BY-NC-SA

IA IA IA IA IA IA

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100 100 100 100

LA PA PA

101

EXTERNAL SYMBOL DICTIONARY

```
0000066 5010 D06C      00078      40+      ST      R1,PARMREG      STORE PARAMETER POINTER      01-CTSPR
000006A 47F0 D08C      00098      41+      B      EXEC0001      GO AROUND STORAGE TAG      01-CTSPR
000006E 0000
0000070 0000100C0000200C      42+BAS0001      DC      A(SAVEAREA+4096,SAVEAREA+8192) NEXT 2 BASE REGISTERS      01-CTSPR
0000078      43+PARMREG      DS      F      PARM REGISTER SAVE AREA      01-CTSPR
0000080      44+      DS      0D      ALIGNMENT      01-CTSPR
0000080 C8E6404040404040      45+      DC      CL8'HW'      CONTROL SECTION NAME      01-CTSPR
0000088 F0F261F0F961F1F6      46+      DC      CL8'02/09/16'      DATE OF ASSEMBLY      01-CTSPR
0000090 F1F14BF5F7404040      47+      DC      CL8'11.57'      TIME OF ASSEMBLY      01-CTSPR
0000098      48+EXEC0001      DS      0H      01-CTSPR
00      49      CTSEQUAT
00+*****
00      50+*****
00      51+*      GENERAL PURPOSE REGISTER EQUATES
00+*****
00      52+*****
00      53+R0      EQU      0      01-CTSEQ
00      54+R1      EQU      1      01-CTSEQ
00      55+R2      EQU      2      01-CTSEQ
00      56+R3      EQU      3      01-CTSEQ
00      PAGE      5
HW
ACTIVE USINGS: SAVEAREA,R13,R11,R12
LOC  OBJECT CODE      ADDR1 ADDR2 STMT      SOURCE STATEMENT
00      57+R4      EQU      4      HLASM R5.0  2016/02/09 11.57
00      58+R5      EQU      5      01-CTSEQ
00      59+R6      EQU      6      01-CTSEQ
00      60+R7      EQU      7      01-CTSEQ
00      61+R8      EQU      8      01-CTSEQ
00      62+R9      EQU      9      01-CTSEQ
00      63+R10     EQU     10      01-CTSEQ
00      64+R11     EQU     11      01-CTSEQ
00      65+R12     EQU     12      01-CTSEQ
00      66+R13     EQU     13      01-CTSEQ
00      67+R14     EQU     14      01-CTSEQ
00      68+R15     EQU     15      01-CTSEQ
00      69+GPRA     EQU     10      01-CTSEQ
00      70+GPRB     EQU     11      01-CTSEQ
00      71+GPCRC     EQU     12      01-CTSEQ
00      72+GPRD     EQU     13      01-CTSEQ
00      73+GPRE     EQU     14      01-CTSEQ
00      74+GPRF     EQU     15      01-CTSEQ
00      75+*
00+*****
00      76+*****
00      77+*      CONTROL REGISTER EQUATES
00+*****
00      78+*****
00      79+C0      EQU      0      01-CTSEQ
00      80+C1      EQU      1      01-CTSEQ
00      81+C2      EQU      2      01-CTSEQ
00      82+C3      EQU      3      01-CTSEQ
00      83+C4      EQU      4      01-CTSEQ
00      84+C5      EQU      5      01-CTSEQ
00      85+C6      EQU      6      01-CTSEQ
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[illegible]

[illegible]

MACRO AND COPY CODE SOURCE SUMMARY										HLASM R5.0	2016/02/09	11.57	PAGE	9	
CON SOURCE		MACLIB		A1	VOLUME		MEMBERS								
L1	CTSMAC	MACLIB		S2	GJC191		CTSEQUAT		CTSPROLG						
L2	DMSGPI	MACLIB		S2	MNT190		CMSCALL		LINEWRT						
L4	OSMACRO	MACLIB		S2	MNT190		RETURN		SAVE						
€ USING MAP															
STMT		-----LOCATION-----		ID	ACTION	-----USING-----		RANGE	ID	REG MAX	LAST LABEL AND USING TEXT				
		COUNT				TYPE	VALUE			DISP					
34		00000054	00000001	USING		ORDINARY	0000000C	00001000	000000001	13 000F4					
34		00000054	00000001	USING		ORDINARY	0000100C	00001000	000000001	11 00000	118 SAVEAREA,R13,R11,R12				
34		00000054	00000001	USING		ORDINARY	0000200C	00001000	000000001	12 00000					
€ GENERAL PURPOSE REGISTER CROSS REFERENCE															
REGISTER REFERENCES (M=MODIFIED, B=BRANCH, U=USING, D=DROP, N=INDEX)															
0(0)		28	121M												
1(1)		28	40	92M	121M										
2(2)		28	29M	35N	36	38N	121M								
3(3)		28	121M												
4(4)		28	121M												
5(5)		28	121M												
6(6)		28	121M												
7(7)		28	121M												
8(8)		28	121M												
9(9)		28	121M												
10(A)		28	121M												
11(B)		28	34U	39M	121M										
12(C)		28	31M	32	34U	39M	121M								
13(D)		28	29	32M	34U	118M	119N	121							
14(E)		28	121M	122B											
15(F)		28	35	37M	37	38	113M	113	114M	117M	119	121M			
€ DIAGNOSTIC CROSS REFERENCE AND ASSEMBLER SUMMARY															
NO STATEMENTS FLAGGED IN THIS ASSEMBLY															
HIGH LEVEL ASSEMBLER, 5696-234, RELEASE 5.0, PTF U096786															
SYSTEM: CMS 24										JOBNAME: (NOJOB)		STEPNAME: (NOSTEP)		PROCSTEP: (NOPROC)	
DATA SETS ALLOCATED FOR THIS ASSEMBLY															
CON DDNAME		DATA SET NAME				VOLUME		MEMBER							
P1	SYSIN	HW	ASSEMBLE A1			GJC191		GJC191							
L1	SYSLIB	CTSMAC	MACLIB A1			GJC191		GJC191							
L2		DMSGPI	MACLIB S2			MNT190		MNT190							
L3		DMSOM	MACLIB S2			MNT190		MNT190							
L4		OSMACRO	MACLIB S2			MNT190		MNT190							
L5		OSPSI	MACLIB S2			MNT190		MNT190							
L6		OSMACRO1	MACLIB S2			MNT190		MNT190							
L7		MVSXA	MACLIB S2			MNT190		MNT190							
L8		HCPPSI	MACLIB S2			MNT190		MNT190							
L9		HCPGPI	MACLIB S2			MNT190		MNT190							

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00 L10          HCP0M1  MACLIB  M2          MNT193
00 L11          HCP0M2  MACLIB  M2          MNT193
00          SYSLIN  HW      TEXT    A1        GJC191
00          SYSPRINT HW      LISTING A1       GJC191
00          36645K ALLOCATED TO BUFFER POOL
00          22 PRIMARY INPUT RECORDS READ    1756 LIBRARY RECORDS READ
00          0 ASMAOPT RECORDS READ           311 PRIMARY PRINT RECORDS WRITTEN
00          9 OBJECT RECORDS WRITTEN          0 ADATA RECORDS WRITTEN
00 ASSEMBLY START TIME: 11.57.16 STOP TIME: 11.57.16 PROCESSOR TIME: 00.00.00.0755
00 RETURN CODE 000
```