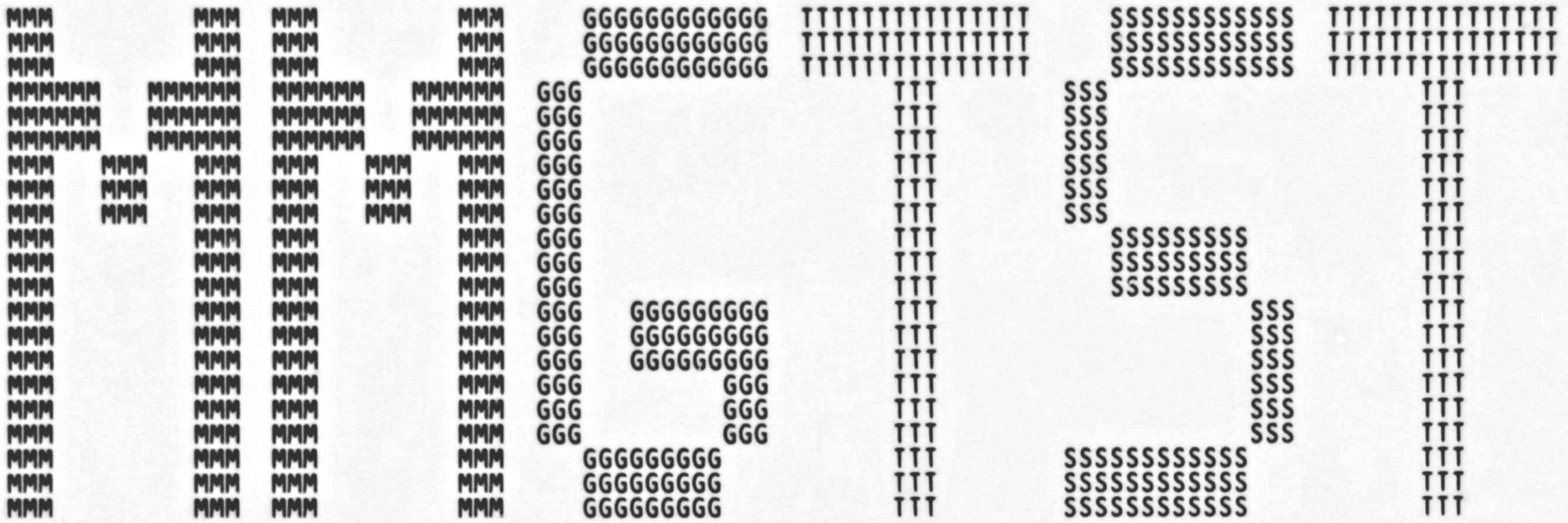
MMM MMM MMM MMM GGGGGGGGGGG TTTTTTTTTTTTTTT SSSSSSSSSSS TTTTTTTTTTTTTTT
MMMMMMM MMMMMMM MMMMMMM MMMMMMM GGG TTT SSS TTT
MMM MMM MMM MMM MMM MMM GGG TTT SSS TTT
MMM MMM MMM MMM MMM MMM GGG TTT SSS TTT
MMM MMM MMM MMM GGG TTT SSSSSSSSS TTT
MMM MMM MMM MMM GGG TTT SSS TTT
MMM MMM MMM MMM GGG GGGGGGGGG TTT SSS TTT
MMM MMM MMM MMM GGG GGGGGGGGG TTT SSS TTT
MMM MMM MMM MMM GGG GGG TTT SSS TTT
MMM MMM MMM MMM GGG GGG TTT SSS TTT
MMM MMM MMM MMM GGG GGG TTT SSSSSSSSSSS TTT
MMM MMM MMM MMM GGGGGGGGG TTT SSSSSSSSSSS TTT
MMM MMM MMM MMM GGGGGGGGG TTT SSSSSSSSSSS TTT

FILEID**MMGCRTFIL

```
MM      MM  MM      MM    GGGGGGGG    CCCCCCCC  RRRRRRRR    TTTTTTTTTT  FFFFFFFFFF    IIIIII    LL
MM      MM  MM      MM    GGGGGGGG    CCCCCCCC  RRRRRRRR    TTTTTTTTTT  FFFFFFFFFF    IIIIII    LL
MMMM  MMMM  MMMM  MMMM  GG          CC          RR      RR      TT      FF              II      LL
MMMM  MMMM  MMMM  MMMM  GG          CC          RR      RR      TT      FF              II      LL
MM  MM  MM  MM  MM  MM  GG          CC          RR      RR      TT      FF              II      LL
MM  MM  MM  MM  MM  MM  GG          CC          RR      RR      TT      FF              II      LL
MM      MM  MM      MM  GG          CC          RRRRRRRR        TT      FFFFFFFF        II      LL
MM      MM  MM      MM  GG          CC          RRRRRRRR        TT      FFFFFFFF        II      LL
MM      MM  MM      MM  GG  GGGGGG  CC          RR  RR          TT      FF              II      LL
MM      MM  MM      MM  GG  GGGGGG  CC          RR  RR          TT      FF              II      LL
MM      MM  MM      MM  GG      GG  CC          RR    RR        TT      FF              II      LL                  ....
MM      MM  MM      MM  GG      GG  CC          RR    RR        TT      FF              II      LL                  ....
MM      MM  MM      MM    GGGGGG      CCCCCCCC  RR      RR      TT      FF          IIIIII    LLLLLLLLLL          ....
MM      MM  MM      MM    GGGGGG      CCCCCCCC  RR      RR      TT      FF          IIIIII    LLLLLLLLLL          ....

LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II        SSSSSS
LL                II        SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

```
0000     1 ;
0000     2 ;                MEMORY MANAGEMENT SERVICES TEST SUPPORT
0000     3 ;
0000     4 ;
0000     5          .TITLE  MMGCRTFIL - CREATES A FILE 10 PAGES LONG
0000     6          .IDENT  'V04-000'
0000     7
0000     8 ;******************************************************************************
0000     9 ;*                                                                            *
0000    10 ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                   *
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0000    26 ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                   *
0000    27 ;*                                                                            *
0000    28 ;*                                                                            *
0000    29 ;******************************************************************************
0000    30
0000    31 ;
0000    32 ;
0000    33 ;          THIS PROGRAM CREATES A FILE N PAGES LONG ( N BEING SET BY NOPAGES).
0000    34 ;          THIS FILE IS USED BY SEVERAL OF THE SYSTEM SERVICES IN THE MEMORY
0000    35 ;          MANAGEMENT TESTS.
0000    36 ;
0000    37 ;
```

```
                     0000     39          .TITLE  CRTFIL          ; CREATE A FILE
                     0000     40          .LIST   MEB
0000000A             0000     41          NOPAGES==10             ; LENGTH OF FILE
                     0000     42
                00000000     43          .PSECT  DATA    NOEXE,WRT
                     0000     44
                     0000     45 NEWFAB:  $FAB    -
                     0000     46          FNM=<MMGTST.DAT;1>,     -
                     0000     47          ALQ=NOPAGES,    -
                     0000     48          FOP=SUP,        -
                     0000     49          FAC=<BRO,UPD>,  -
                     0000     50          MRS=512,        -
                     0000     51          RFM=FIX
                     0000                 .SAVE   LOCAL_BLOCK
                00000000                 .RESTORE
                03   0000                .BYTE   FAB$C_BID
                50   0001                .BYTE   FAB$C_BLN
00000050        0002                     .BLKB   FAB$C_BLN-2
00000004        0050                     .=$$.TAB+FAB$L_FOP
00000004'       0004                     .ADDRESS        $$.TMP
00000010        0008                     .=$$.TAB+FAB$L_ALQ
0000000A'       0010                     .ADDRESS        NOPAGES
0000    0014                             .WORD   0
48      0016                             .BYTE   $$.TMP
00      0017                             .BYTE   $$.TMP
00000000'       0018                     .ADDRESS        0
00      001C                             .BYTE   0
00      001D                             .BYTE   FAB$C_SEQ
00      001E                             .BYTE   $$.TMP
01      001F                             .BYTE   FAB$C_FIX
00000000'       0020                     .ADDRESS        0
00000000'       0024                     .ADDRESS        0
00000000'       0028                     .ADDRESS        0
00000000'       002C                     .ADDRESS        0
00000000'       0030                     .ADDRESS        0
00      0034                             .BYTE   0
00      0035                             .BYTE   0
0200    0036                             .WORD   512
00000000'       0038                     .ADDRESS        0
0000    003C                             .WORD   0
00      003E                             .BYTE   0
00      003F                             .BYTE   0
00000048        0040                     .=$$.TAB+FAB$W_GBC
0000    0048                             .WORD   0
00      004A                             .BYTE   <<0@FAB$V_LNM_MODE> + <0@FAB$V_CHAN_MODE> + -
                004B                     .SAVE
                00000000                 .PSECT $RMSNAM
31 3B 54 41 44 2E 54 53 54 47 4D 4D 0000 .ASCII %MMGTST.DAT;1%
                0000004B                 .RESTORE
0000002C        004B                     .=$$.TAB+FAB$L_FNA
00000000'       002C                     .ADDRESS        $$.TMPX
00000034        0030                     .=$$.TAB+FAB$B_FNS
0C      0034                             .BYTE   $$.TMPX1
00000050        0035                     .=$$.TABEND
                0050     52 NEWRAB:  $RAB    -
                0050     53          FAB=NEWFAB,     -
                0050     54          RBF=NEWFAB,     -
```

```
                     0050     55          RSZ=512
                     0050                 .SAVE   LOCAL_BLOCK
                     0050                 .PSECT  $ABS$,ABS
                00000050                 .RESTORE
                01   0050                .BYTE RAB$C_BID
                44   0051                .BYTE RAB$C_BLN
            00000094 0052                .BLKB RAB$C_BLN-2
            00000054 0094                .=$$.TAB+RAB$L_ROP
            00000000' 0054               .ADDRESS        $$.TMP
            00000068 0058                .=$$.TAB+RAB$L_CTX
            00000000' 0068               .ADDRESS        0
            0000006E 006C                .=$$.TAB+RAB$B_RAC
                  00 006E                .BYTE   RAB$C_SEQ
                  00 006F                .BYTE   0
                0000 0070                .WORD   0
                0200 0072                .WORD   512
            00000000' 0074               .ADDRESS        0
            00000000' 0078               .ADDRESS        NEWFAB
            00000000' 007C               .ADDRESS        0
            00000000' 0080               .ADDRESS        0
                  00 0084                .BYTE   0
                  00 0085                .BYTE   0
                  00 0086                .BYTE   0
                  00 0087                .BYTE   0
            00000000' 0088               .ADDRESS        0
            00000000' 008C               .ADDRESS        NEWFAB
            00000000' 0090               .ADDRESS        0
                     0094     56
                00000000     57          .PSECT  MAIN    EXE,NOWRT
                     0000     58
                     0000     59 START::
                0000 0000     60          .WORD   0
                     0002     61          $CREATE NEWFAB          ;MAKE A NEW FILE & OPEN IT
    00000000'EF   DF 0002                PUSHAL  NEWFAB
00000000'GF   01   FB 0008               CALLS   #$$.TMP1,G^SYS$CREATE
         33 50     E9 000F     62          BLBC    R0,EXIT         ;EXIT IF ERROR ENCOUNTERED
                     0012     63          $CONNECT NEWRAB         ;CONNECT RAB TO FAB
    00000050'EF   DF 0012                PUSHAL  NEWRAB
00000000'GF   01   FB 0018               CALLS   #$$.TMP1,G^SYS$CONNECT
         23 50     E9 001F     64          BLBC    R0,EXIT         ;EXIT IF ERROR ENCOUNTERED
      55   0A     D0 0022     65          MOVL    #NOPAGES,R5     ;SET COUNT FOR PAGES TO WRITE
                     0025     66 100$:    $WRITE  RAB=NEWRAB      ;WRITE OUT A PAGE
    00000050'EF   DF 0025                PUSHAL  NEWRAB
00000000'GF   01   FB 002B               CALLS   #$$.TMP1,G^SYS$WRITE
         10 50     E9 0032     67          BLBC    R0,EXIT         ;EXIT IF ERROR ENCOUNTERED
      ED 55     F5 0035     68          SOBGTR  R5,100$         ;LOOP FOR MORE
                     0038     69          $CLOSE  NEWFAB          ;CLOSE FILE
    00000000'EF   DF 0038                PUSHAL  NEWFAB
00000000'GF   01   FB 003E               CALLS   #$$.TMP1,G^SYS$CLOSE
                     0045     70 EXIT:    $EXIT_S R0
         50   DD   0045                   PUSHL   R0
00000000'GF   01   FB 0047               CALLS   #1,G^SYS$EXIT
                     004E     71
                     004E     72          .END    START
```

```
$$.TAB                          = 00000050 R      01
$$.TABEND                       = 00000094 R      01
$$.TMP                          = 00000000
$$.TMP1                         = 00000001
$$.TMP2                         = 000000AF
$$.TMPX                         = 00000000 R      03
$$.TMPX1                        = 0000000C
EXIT                              00000045 R      04
FAB$B_FNS                       = 00000034
FAB$C_BID                       = 00000003
FAB$C_BLN                       = 00000050
FAB$C_FIX                       = 00000001
FAB$C_SEQ                       = 00000000
FAB$L_ALQ                       = 00000010
FAB$L_FNA                       = 0000002C
FAB$L_FOP                       = 00000004
FAB$V_BRO                       = 00000006
FAB$V_CHAN_MODE                 = 00000002
FAB$V_FILE_MODE                 = 00000004
FAB$V_LNM_MODE                  = 00000000
FAB$V_SUP                       = 00000002
FAB$V_UPD                       = 00000003
FAB$W_GBC                       = 00000048
NEWFAB                            00000000 R      01
NEWRAB                            00000050 R      01
NOPAGES                         = 0000000A   G
RAB$B_RAC                       = 0000001E
RAB$C_BID                       = 00000001
RAB$C_BLN                       = 00000044
RAB$C_SEQ                       = 00000000
RAB$L_CTX                       = 00000018
RAB$L_ROP                       = 00000004
START                             00000000 RG     04
SYS$CLOSE                         ******** GX     04
SYS$CONNECT                       ******** GX     04
SYS$CREATE                        ******** GX     04
SYS$EXIT                          ******** GX     04
SYS$WRITE                         ******** GX     04
```

+----------------+
! Psect synopsis !
+----------------+

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
DATA	00000094 (148.)	01 (1.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC BYTE
ABS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
$RMSNAM	0000000C (12.)	03 (3.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
MAIN	0000004E (78.)	04 (4.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	17	00:00:00.09	00:00:00.93
Command processing	87	00:00:00.75	00:00:05.00
Pass 1	205	00:00:04.15	00:00:12.67
Symbol table sort	0	00:00:00.29	00:00:00.63
Pass 2	40	00:00:00.81	00:00:03.07
Symbol table output	6	00:00:00.04	00:00:00.26
Psect synopsis output	2	00:00:00.03	00:00:00.08
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	360	00:00:06.17	00:00:22.64

The working set limit was 1050 pages.
37483 bytes (74 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 316 non-local and 1 local symbols.
72 source lines were read in Pass 1, producing 17 object records in Pass 2.
24 pages of virtual memory were used to define 18 macros.

Macro library statistics

Macro library name	Macros defined
_255DUA28:[SYS.OBJ]LIB.MLB;1	0
_255DUA28:[SYSLIB]STARLET.MLB;2	15
TOTALS (all libraries)	15

561 GETS were required to define 15 macros.

There were no errors, warnings or information messages.

```
MACRO/LIS=LIS$:MMGCRTFIL/OBJ=OBJ$:MMGCRTFIL MSRC$:MMGCRTFIL/UPDATE=(ENH$:MMGCRTFIL)+EXECML$/LIB
```

MMGEXPCNT
LIS

MMGSNSFWSL
LIS

MOM
MAP

MMGCRTDEL
LIS

MMGCRDLSP
LIS

MMGCRTFIL
LIS

MMGLKWULW
LIS

MMGXQUOTA
LIS

MMGSETPRT
LIS

MOM