```
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP
UUU          UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP
UUU          UUU  EEE                    TTT         PPP          PPP
UUU          UUU  EEE                    TTT         PPP          PPP
UUU          UUU  EEE                    TTT         PPP          PPP
UUU          UUU  EEE                    TTT         PPP          PPP
UUU          UUU  EEE                    TTT         PPP          PPP
UUU          UUU  EEE                    TTT         PPP          PPP
UUU          UUU  EEEEEEEEEEEE           TTT         PPPPPPPPPPPP
UUU          UUU  EEEEEEEEEEEE           TTT         PPPPPPPPPPPP
UUU          UUU  EEEEEEEEEEEE           TTT         PPPPPPPPPPPP
UUU          UUU  EEE                    TTT         PPP
UUU          UUU  EEE                    TTT         PPP
UUU          UUU  EEE                    TTT         PPP
UUU          UUU  EEE                    TTT         PPP
UUU          UUU  EEE                    TTT         PPP
UUU          UUU  EEE                    TTT         PPP
UUU          UUU  EEE                    TTT         PPP
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE        TTT         PPP
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE        TTT         PPP
UUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE        TTT         PPP
```

```
RRRRRRRR    MM      MM    SSSSSSSS  TTTTTTTTTT  EEEEEEEEEE    SSSSSSSS  TTTTTTTTTT  RRRRRRRR
RRRRRRRR    MM      MM    SSSSSSSS  TTTTTTTTTT  EEEEEEEEEE    SSSSSSSS  TTTTTTTTTT  RRRRRRRR
RR      RR  MMMM  MMMM  SS              TT      EE          SS              TT      RR      RR
RR      RR  MMMM  MMMM  SS              TT      EE          SS              TT      RR      RR
RR      RR  MM  MM  MM  SS              TT      EE          SS              TT      RR      RR
RR      RR  MM  MM  MM  SS              TT      EE          SS              TT      RR      RR
RRRRRRRR    MM      MM    SSSSSS        TT      EEEEEEEE      SSSSSS        TT      RRRRRRRR
RRRRRRRR    MM      MM    SSSSSS        TT      EEEEEEEE      SSSSSS        TT      RRRRRRRR
RR  RR      MM      MM          SS      TT      EE                  SS      TT      RR  RR
RR  RR      MM      MM          SS      TT      EE                  SS      TT      RR  RR
RR    RR    MM      MM          SS      TT      EE                  SS      TT      RR    RR      ....
RR    RR    MM      MM          SS      TT      EE                  SS      TT      RR    RR      ....
RR      RR  MM      MM  SSSSSSSS        TT      EEEEEEEEEE  SSSSSSSS        TT      RR      RR    ....
RR      RR  MM      MM  SSSSSSSS        TT      EEEEEEEEEE  SSSSSSSS        TT      RR      RR    ....

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     67          $BEGIN  RMSTESTR,008,__RMSTEST,<RABS FOR XAB TEST PROGRAM>,<GBL,LONG>
0000     68          $SHRDEF GLOBAL
0000     69          .ALIGN  LONG
0000     70          $RABDEF GLOBAL
0000     71 T4RAB::  $RAB    FAB=T4FAB,-
0000     72                  UBF=CPYBUF,-
0000     73                  USZ=CPYBSZ,-
0000     74                  RBF=CPYBUF,-
0000     75                  MBC=4,MBF=2,-
0000     76                  ROP=<WBH>,-
0000     77                  RHB=RECCNT,-
0000     78                  KBF=RECCNT
0044     79 FLUSH_RAB::
0044     80          $RAB    FAB=FLUSH_FAB,UBF=CPYBUF,USZ=CPYBSZ
0088     81          .END
```

```
$$.PSECT_EP                = 00000000                    RAB$M_LOC                  = 00010000  G
$$.TAB                     = 00000044 R      01          RAB$M_LV2                  = 00001000  G
$$.TABEND                  = 00000088 R      01          RAB$M_MAS                  = 00000020  G
$$.TMP                     = 00000000                    RAB$M_NLK                  = 00100000  G
$$RMSTEST                  = 0000001E                    RAB$M_NXR                  = 00800000  G
$$RMS_PBUGCHK              = 00000010                    RAB$M_PMT                  = 40000000  G
$$RMS_TBUGCHK              = 00000008                    RAB$M_PPF_IND              = 00004000  G
$$RMS_UMODE                = 00000004                    RAB$M_PPF_RAT              = 00003FC0  G
CPYBSZ                       ********    X   01          RAB$M_PTA                  = 20000000  G
CPYBUF                       ********    X   01          RAB$M_RAH                  = 00000200  G
FLUSH_FAB                    ********    X   01          RAB$M_REA                  = 00000004  G
FLUSH_RAB                    00000044 RG     01          RAB$M_RLK                  = 00080000  G
RAB$B_BID                  = 00000000  G                 RAB$M_RNE                  = 01000000  G
RAB$B_BLN                  = 00000001  G                 RAB$M_RNF                  = 08000000  G
RAB$B_KRF                  = 00000035  G                 RAB$M_RRL                  = 00000008  G
RAB$B_KSZ                  = 00000034  G                 RAB$M_TMO                  = 02000000  G
RAB$B_MBC                  = 00000037  G                 RAB$M_TPT                  = 00000002  G
RAB$B_MBF                  = 00000036  G                 RAB$M_UIF                  = 00000010  G
RAB$B_PSZ                  = 00000034  G                 RAB$M_ULK                  = 00040000  G
RAB$B_RAC                  = 0000001E  G                 RAB$M_WAT                  = 00020000  G
RAB$B_ROP1                 = 00000005  G                 RAB$M_WBH                  = 00000400  G
RAB$B_ROP2                 = 00000006  G                 RAB$R_BKT_OVERLAY          = 00000038  G
RAB$B_ROP3                 = 00000007  G                 RAB$R_ISI_BITS             = 00000002  G
RAB$B_TMO                  = 0000001F  G                 RAB$R_ISI_OVERLAY          = 00000002  G
RAB$C_BID                  = 00000001  G                 RAB$R_KBF_OVERLAY          = 00000030  G
RAB$C_BLN                  = 00000044  G                 RAB$R_KSZ_OVERLAY          = 00000034  G
RAB$C_KEY                  = 00000001  G                 RAB$R_RFA_FIELDS           = 00000010  G
RAB$C_RFA                  = 00000002  G                 RAB$R_RFA_OVERLAY          = 00000010  G
RAB$C_SEQ                  = 00000000  G                 RAB$R_ROP_BITS0            = 00000004  G
RAB$C_STM                  = 00000003  G                 RAB$R_ROP_FIELDS           = 00000004  G
RAB$K_BLN                  = 00000044  G                 RAB$R_ROP_OVERLAY          = 00000004  G
RAB$L_BKT                  = 00000038  G                 RAB$R_STV_FIELDS           = 0000000C  G
RAB$L_CTX                  = 00000018  G                 RAB$R_STV_OVERLAY          = 0000000C  G
RAB$L_DCT                  = 00000038  G                 RAB$S_PPF_RAT              = 00000008  G
RAB$L_FAB                  = 0000003C  G                 RAB$S_RABDEF               = 00000044  G
RAB$L_KBF                  = 00000030  G                 RAB$S_RFA                  = 00000006  G
RAB$L_PBF                  = 00000030  G                 RAB$V_ASY                  = 00000000  G
RAB$L_RBF                  = 00000028  G                 RAB$V_BIO                  = 0000000B  G
RAB$L_RFAO                 = 00000010  G                 RAB$V_CCO                  = 0000001F  G
RAB$L_RHB                  = 0000002C  G                 RAB$V_CVT                  = 0000001A  G
RAB$L_ROP                  = 00000004  G                 RAB$V_EOF                  = 00000008  G
RAB$L_STS                  = 00000008  G                 RAB$V_ETO                  = 0000001C  G
RAB$L_STV                  = 0000000C  G                 RAB$V_FDL                  = 00000006  G
RAB$L_UBF                  = 00000024  G                 RAB$V_HSH                  = 00000007  G
RAB$L_XAB                  = 00000040  G                 RAB$V_KGE                  = 00000015  G
RAB$M_ASY                  = 00000001  G                 RAB$V_KGT                  = 00000016  G
RAB$M_BIO                  = 00000800  G                 RAB$V_LIM                  = 0000000E  G
RAB$M_CCO                  = 80000000  G                 RAB$V_LOA                  = 0000000D  G
RAB$M_CVT                  = 04000000  G                 RAB$V_LOC                  = 00000010  G
RAB$M_EOF                  = 00000100  G                 RAB$V_LV2                  = 0000000C  G
RAB$M_ETO                  = 10000000  G                 RAB$V_MAS                  = 00000005  G
RAB$M_FDL                  = 00000040  G                 RAB$V_NLK                  = 00000014  G
RAB$M_HSH                  = 00000080  G                 RAB$V_NXR                  = 00000017  G
RAB$M_KGE                  = 00200000  G                 RAB$V_PMT                  = 0000001E  G
RAB$M_KGT                  = 00400000  G                 RAB$V_PPF_IND              = 0000000E  G
RAB$M_LIM                  = 00004000  G                 RAB$V_PPF_RAT              = 00000006  G
RAB$M_LOA                  = 00002000  G                 RAB$V_PTA                  = 0000001D  G
```

RAB$V_RAH	= 00000009	G	SHR$_DELETED	= 00001200	G
RAB$V_REA	= 00000002	G	SHR$_DELINTERR	= 00001240	G
RAB$V_RLK	= 00000013	G	SHR$_DELVER	= 00001208	G
RAB$V_RNE	= 00000018	G	SHR$_DIRNOTCRE	= 000012C0	G
RAB$V_RNF	= 0000001B	G	SHR$_DIRTOOBUS	= 00001220	G
RAB$V_RRL	= 00000003	G	SHR$_ENDABORT	= 00001258	G
RAB$V_TMO	= 00000019	G	SHR$_ENDDIAGS	= 00001260	G
RAB$V_TPT	= 00000001	G	SHR$_ENDED	= 00001078	G
RAB$V_UIF	= 00000004	G	SHR$_ENDEDD	= 00001080	G
RAB$V_ULK	= 00000012	G	SHR$_ENDEDT	= 00001088	G
RAB$V_WAT	= 00000011	G	SHR$_ENDNOOBJ	= 00001268	G
RAB$V_WBH	= 0000000A	G	SHR$_EXISTS	= 00001290	G
RAB$W_ISI	= 00000002	G	SHR$_FACILITY	= 00000000	G
RAB$W_RFA	= 00000010	G	SHR$_FILDEL	= 00001320	G
RAB$W_RFA4	= 00000014	G	SHR$_FILNOTACC	= 00001338	G
RAB$W_RSZ	= 00000022	G	SHR$_FILNOTDEL	= 000011F0	G
RAB$W_STV0	= 0000000C	G	SHR$_FILNOTPUR	= 00001230	G
RAB$W_STV2	= 0000000E	G	SHR$_FILPURG	= 00001318	G
RAB$W_USZ	= 00000020	G	SHR$_FILPURGED	= 00001250	G
RECCNT	********	X 01	SHR$_FILSPCSRCH	= 00001348	G
SHR$_ABEND	= 000010D8	G	SHR$_HALTED	= 00001270	G
SHR$_ABENDD	= 000010E0	G	SHR$_HASHCONCAT	= 000011D8	G
SHR$_ABENDT	= 000010E8	G	SHR$_HIGHVER	= 00001148	G
SHR$_ACTIMAGE	= 000012B8	G	SHR$_IDXCONCAT	= 00001138	G
SHR$_APPENDEDB	= 00001000	G	SHR$_ILLDESQUE	= 000012D0	G
SHR$_APPENDEDR	= 00001008	G	SHR$_ILLDIRCOPY	= 000012E8	G
SHR$_ATPC	= 00001158	G	SHR$_INCOMPAT	= 000011E0	G
SHR$_BADBYTE	= 00001010	G	SHR$_INSVIRMEM	= 000012F0	G
SHR$_BADCOPIES	= 00001160	G	SHR$_INVQUAVAL	= 00001328	G
SHR$_BADDELIM	= 00001118	G	SHR$_NEWFILES	= 00001090	G
SHR$_BADFIELD	= 00001018	G	SHR$_NOCMDMEM	= 00001278	G
SHR$_BADFORM	= 00001168	G	SHR$_NODESTQUE	= 000012C8	G
SHR$_BADJOBID	= 00001170	G	SHR$_NOFILES	= 00001330	G
SHR$_BADJOBNAME	= 00001178	G	SHR$_NOFILPURG	= 00001228	G
SHR$_BADKEY	= 00001108	G	SHR$_NOJOBID	= 000011A0	G
SHR$_BADLOGIC	= 00001120	G	SHR$_NOJOBNAME	= 000011A8	G
SHR$_BADLOGICPC	= 00001150	G	SHR$_NOQUEUE	= 00001198	G
SHR$_BADLONG	= 00001020	G	SHR$_NOSRCHLST	= 00001350	G
SHR$_BADPRTY	= 00001180	G	SHR$_NOSUCHID	= 00001358	G
SHR$_BADQNAME	= 00001188	G	SHR$_NOTCMPLT	= 000011C0	G
SHR$_BADTIME	= 00001190	G	SHR$_NOTCOPIED	= 000011B8	G
SHR$_BADVALUE	= 00001110	G	SHR$_NOTLOCKED	= 000012B0	G
SHR$_BADWORD	= 00001028	G	SHR$_NOTRUNC	= 00001300	G
SHR$_BEGIN	= 00001030	G	SHR$_NOTTERM	= 000012D8	G
SHR$_BEGIND	= 00001038	G	SHR$_NOVALUE	= 00001100	G
SHR$_BEGINT	= 00001040	G	SHR$_NOWILD	= 00001128	G
SHR$_CBT	= 00001288	G	SHR$_OPENIN	= 00001098	G
SHR$_CLICB	= 00001048	G	SHR$_OPENOUT	= 000010A0	G
SHR$_CLOSEDEL	= 00001218	G	SHR$_OVERLAY	= 000010A8	G
SHR$_CLOSEIN	= 00001050	G	SHR$_PARSEFAIL	= 00001248	G
SHR$_CLOSEOUT	= 00001058	G	SHR$_PRODNOTINS	= 00001308	G
SHR$_CONFDEL	= 000011F8	G	SHR$_PROTECTED	= 000012A8	G
SHR$_CONFQUAL	= 000012E0	G	SHR$_PURGEVER	= 00001210	G
SHR$_COPIEDB	= 00001060	G	SHR$_QEMPTY	= 00001280	G
SHR$_COPIEDR	= 00001068	G	SHR$_QUALMISS	= 00001340	G
SHR$_CREATED	= 00001070	G	SHR$_READERR	= 000010B0	G
SHR$_CREATEDSTM	= 000012F8	G	SHR$_RELCONCAT	= 00001140	G

```
SHR$_RENAMED                    = 000012A0  G
SHR$_REPLACED                   = 000010B8  G
SHR$_RMSERROR                   = 000011C8  G
SHR$_SEARCHFAIL                 = 00001238  G
SHR$_SYNTAX                     = 000010F8  G
SHR$_SYSERROR                   = 000011B0  G
SHR$_SYSERRORPC                 = 000010F0  G
SHR$_TEXT                       = 00001130  G
SHR$_TOTAL                      = 00001310  G
SHR$_UNLOCKED                   = 00001298  G
SHR$_UNXPCTSTS                  = 000011D0  G
SHR$_VALERR                     = 000011E8  G
SHR$_WILDCONCAT                 = 000010C0  G
SHR$_WILDOUTVER                 = 000010C8  G
SHR$_WRITEERR                   = 000010D0  G
T4FAB                             ********    X   01
T4RAB                             00000000 RG     01
```

Psect synopsis

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
RMSTEST	00000088 (136.)	01 (1.)	NOPIC USR CON REL GBL NOSHR EXE RD WRT NOVEC LONG
ABS	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.11	00:00:00.37
Command processing	105	00:00:00.52	00:00:01.75
Pass 1	156	00:00:02.79	00:00:08.87
Symbol table sort	0	00:00:00.26	00:00:00.31
Pass 2	29	00:00:00.51	00:00:00.93
Symbol table output	30	00:00:00.19	00:00:00.40
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	353	00:00:04.40	00:00:12.66

The working set limit was 1050 pages.
13186 bytes (26 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 245 non-local and 0 local symbols.
81 source lines were read in Pass 1, producing 23 object records in Pass 2.
15 pages of virtual memory were used to define 13 macros.

```
                                    +---------------------------+
                                    ! Macro library statistics !
                                    +---------------------------+

Macro library name                   Macros defined
------------------                   --------------
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                 0
_$255$DUA28:[SYSLIB]STARLET.MLB;2              8
TOTALS (all libraries)                         8

353 GETS were required to define 8 macros.

There were no errors, warnings or information messages.

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

0409 AH-BT13A-SE
VAX/VMS V4.0

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RMSTEST4
LIS

RMSTEST7
LIS

RMSTEST8
LIS

RMSTESTR
LIS

RMSTEST0
LIS

RMSTEST2
LIS

RMSTEST3
LIS

RMSTEST5
LIS

RMSTEST6
LIS

RMSTESTT
LIS

RMSTEST1
LIS

SAT55F17
LIS