```
LLL                 IIIIIIIII     BBBBBBBBBBBB     RRRRRRRRRRRR      TTTTTTTTTTTTTTT  LLL
LLL                 IIIIIIIII     BBBBBBBBBBBB     RRRRRRRRRRRR      TTTTTTTTTTTTTTT  LLL
LLL                 IIIIIIIII     BBBBBBBBBBBB     RRRRRRRRRRRR      TTTTTTTTTTTTTTT  LLL
LLL                    III        BBB         BBB  RRR         RRR         TTT        LLL
LLL                    III        BBB         BBB  RRR         RRR         TTT        LLL
LLL                    III        BBB         BBB  RRR         RRR         TTT        LLL
LLL                    III        BBB         BBB  RRR         RRR         TTT        LLL
LLL                    III        BBB         BBB  RRR         RRR         TTT        LLL
LLL                    III        BBBBBBBBBBBB     RRRRRRRRRRRR            TTT        LLL
LLL                    III        BBBBBBBBBBBB     RRRRRRRRRRRR            TTT        LLL
LLL                    III        BBBBBBBBBBBB     RRRRRRRRRRRR            TTT        LLL
LLL                    III        BBB         BBB  RRR   RRR               TTT        LLL
LLL                    III        BBB         BBB  RRR   RRR               TTT        LLL
LLL                    III        BBB         BBB  RRR   RRR               TTT        LLL
LLL                    III        BBB         BBB  RRR      RRR            TTT        LLL
LLL                    III        BBB         BBB  RRR      RRR            TTT        LLL
LLL                    III        BBB         BBB  RRR      RRR            TTT        LLL
LLLLLLLLLLLLLLL     IIIIIIIII     BBBBBBBBBBBB     RRR         RRR         TTT        LLLLLLLLLLLLLLL
LLLLLLLLLLLLLLL     IIIIIIIII     BBBBBBBBBBBB     RRR         RRR         TTT        LLLLLLLLLLLLLLL
LLLLLLLLLLLLLLL     IIIIIIIII     BBBBBBBBBBBB     RRR         RRR         TTT        LLLLLLLLLLLLLLL
```

FILEID**LIBVECTR2

```
LL             IIIIII    BBBBBBBB    VV      VV  EEEEEEEEEE    CCCCCCCC  TTTTTTTTTT  RRRRRRRR      222222
LL             IIIIII    BBBBBBBB    VV      VV  EEEEEEEEEE    CCCCCCCC  TTTTTTTTTT  RRRRRRRR      222222
LL               II      BB      BB  VV      VV  EE          CC              TT      RR      RR  22      22
LL               II      BB      BB  VV      VV  EE          CC              TT      RR      RR  22      22
LL               II      BB      BB  VV      VV  EE          CC              TT      RR      RR          22
LL               II      BB      BB  VV      VV  EE          CC              TT      RR      RR          22
LL               II      BBBBBBBB    VV      VV  EEEEEEEE    CC              TT      RRRRRRRR            22
LL               II      BBBBBBBB    VV      VV  EEEEEEEE    CC              TT      RRRRRRRR            22
LL               II      BB      BB  VV      VV  EE          CC              TT      RR  RR            22
LL               II      BB      BB  VV      VV  EE          CC              TT      RR  RR            22
LL               II      BB      BB    VV  VV    EE          CC              TT      RR    RR      22              ....
LL               II      BB      BB    VV  VV    EE          CC              TT      RR    RR      22              ....
LLLLLLLLLL     IIIIII    BBBBBBBB        VV      EEEEEEEEEE    CCCCCCCC      TT      RR      RR  2222222222      ....
LLLLLLLLLL     IIIIII    BBBBBBBB        VV      EEEEEEEEEE    CCCCCCCC      TT      RR      RR  2222222222      ....

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
```

Table of contents

```
0000     1          .TITLE  LIB$VECTR2 - Entry vectors for LIBRTL2.EXE
0000     2          .IDENT  /1-001/                 ; File: LIBVECTR2.MAR Edit:LEB1001
0000     3
0000     4 ;
0000     5 ;*****************************************************************************
0000     6 ;*                                                                           *
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0000    24 ;*                                                                           *
0000    25 ;*                                                                           *
0000    26 ;*****************************************************************************
0000    27 ;
0000    28
0000    29 ;++
0000    30 ; FACILITY: Run-Time Library - General Utility Procedures
0000    31 ;
0000    32 ; ABSTRACT:
0000    33 ;
0000    34 ;       This module contains the entry vector definitions for the
0000    35 ;       VAX-11 Run-Time Library shareable image LIBRTL2.EXE
0000    36 ;
0000    37 ; ENVIRONMENT: User mode, AST Reentrant
0000    38 ;
0000    39 ; AUTHOR: Linda Benson, CREATION DATE: 2-June-1983
0000    40 ;
0000    41 ; MODIFIED BY:
0000    42 ;
0000    43 ; 1-001 - Original. LEB 2-June-1983
0000    44 ;--
```

```
0000     46          .SBTTL  DECLARATIONS
0000     47 ;
0000     48 ; LIBRARY MACRO CALLS:
0000     49 ;
0000     50 ;       LIB$:S.MLB required
0000     51 ;
0000     52 ; EXTERNAL DECLARATIONS:
0000     53 ;
0000     54          .DSABL  GBL             ; Force all external symbols to be declared
0000     55 ;
0000     56 ; MACROS:
0000     57 ;
0000     58
0000     59 ;+
0000     60 ; Macro to define an entry vector for a CALL entry point
0000     61 ;-
0000     62
0000     63          .MACRO  VCALL   NAME
0000     64          .EXTRN          NAME
0000     65          .ALIGN  QUAD
0000     66          .TRANSFER       NAME
0000     67          .MASK           NAME
0000     68          JMP             NAME+2
0000     69          .ENDM
0000     70
0000     71 ;+
0000     72 ; Macro to define an entry vector for a JSB entry point
0000     73 ;-
0000     74
0000     75          .MACRO  VJSB    NAME
0000     76          .EXTRN          NAME
0000     77          .ALIGN  QUAD
0000     78          .TRANSFER       NAME
0000     79          JMP             NAME
0000     80          .BLKB           2
000C     81          .ENDM
0000     82
0000     83 ;+
0000     84 ; Macro to define a table that is included in the vector.  The macros
0000     85 ; invoked by VTAB are in LIB$:S.MLB.
0000     86 ;-
0000     87
0000     88          .MACRO  VTAB    NAME
0000     89          .ALIGN  QUAD
0000     90          .TRANSFER       NAME
0000     91 NAME::   $'NAME
0000     92          .ENDM
0000     93
0000     94 ;+
0000     95 ; Macro to define an alias for the next vectored entry point
0000     96 ;-
0000     97
0000     98          .MACRO  ALIAS   NAME
0000     99          .TRANSFER       NAME
0000    100          .ENDM
0000    101
0000    102
```

```
                        ;
                        ; EQUATED SYMBOLS:
                        ;
                        ;       NONE
                        ;
                        ; OWN STORAGE:
                        ;
                        ;       NONE
                        ;
                        ; PSECT DECLARATIONS:
                        ;
00000000                        .PSECT $LIB$VECTR2 PIC, USR, CON, REL, LCL, SHR, -
                                                   EXE, RD, NOWRT, QUAD
```

```
                        .SBTTL  LIBRTL2 Vector

                ;+
                ; Define vectored entry points for the General Utility Procedures
                ; by module in alphabetical order.
                ;
                ; Any additions to this file should be reflected in
                ; COM$:LIBRTLVEC2.DAT.  All new entry points must be appended to the end
                ; of the list.  NEVER change existing entries unless you are sure that
                ; what you do won't break existing programs.
                ;-

                ; Module LIB$CVTDXDX
0000                    VCALL   LIB$CVT_DX_DX

                ; Module LIB$DECODE_FAULT
0008                    VCALL   LIB$DECODE_FAULT

                ; Module LIB$SIM_TRAP
0010                    VCALL   LIB$SIM_TRAP

0018                    .END                                    ; End of module LIB$VECTR2
```

```
LIB$CVT_DX_DX                   ********  X  01
LIB$DECODE_FAULT                ********  X  01
LIB$SIM_TRAP                    ********  X  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
$LIB$VECTR2                     00000018  (   24.)  01 (  1.)    PIC   USR   CON   REL   LCL   SHR   EXE   RD  NOWRT NOVEC QUAD
```

Performance indicators

Phase	Page faults	CPU Time	Elapsed Time
Initialization	37	00:00:00.05	00:00:01.17
Command processing	132	00:00:00.32	00:00:02.59
Pass 1	78	00:00:00.29	00:00:02.40
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	38	00:00:00.20	00:00:01.04
Symbol table output	2	00:00:00.00	00:00:00.01
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	290	00:00:00.87	00:00:07.22

```
The working set limit was 750 pages.
1326 bytes (3 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 3 non-local and 0 local symbols.
138 source lines were read in Pass 1, producing 11 object records in Pass 2.
4 pages of virtual memory were used to define 4 macros.
```

Macro library statistics

```
Macro library name                          Macros defined
------------------                          --------------
_$255$DUA28:[SYSLIB]STARLET.MLB;2                    0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/LIS=LIS$:LIBVECTR2/OBJ=OBJ$:LIBVECTR2 MSRC$:LIBVECTR2/UPDATE=(ENH$:LIBVECTR2)
```

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LIS

OTSCVTLT
LIS

LIBVECTR2
LIS

LIBWAIT
LIS

OTSCLOSEF
LIS

OTSCVTHP
LIS

LIBVECTOR
LIS

OTSCVTDT
LIS

LIBVM
LIS

OTSCVTGP
LIS