```
LLL                 IIIIIIIIII   BBBBBBBBBBBB   RRRRRRRRRRRR   TTTTTTTTTTTTTTTT   LLL
LLL                 IIIIIIIIII   BBBBBBBBBBBB   RRRRRRRRRRRR   TTTTTTTTTTTTTTTT   LLL
LLL                 IIIIIIIIII   BBBBBBBBBBBB   RRRRRRRRRRRR   TTTTTTTTTTTTTTTT   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       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     IIIIIIIIII   BBBBBBBBBBBB   RRR      RRR          TTT          LLLLLLLLLLLLLLL
LLLLLLLLLLLLLLL     IIIIIIIIII   BBBBBBBBBBBB   RRR      RRR          TTT          LLLLLLLLLLLLLLL
LLLLLLLLLLLLLLL     IIIIIIIIII   BBBBBBBBBBBB   RRR      RRR          TTT          LLLLLLLLLLLLLLL
```

```
 000000    TTTTTTTTTT  SSSSSSSS  LL          IIIIII  NN      NN  KK      KK  AAAAAA      GGGGGGG
 000000    TTTTTTTTTT  SSSSSSSS  LL          IIIIII  NN      NN  KK      KK  AAAAAA      GGGGGGG
00      00      TT     SS        LL            II    NN      NN  KK      KK  AA      AA  GG
00      00      TT     SS        LL            II    NN      NN  KK      KK  AA      AA  GG
00      00      TT     SS        LL            II    NNNN    NN  KK    KK    AA      AA  GG
00      00      TT     SS        LL            II    NNNN    NN  KK  KK      AA      AA  GG
00      00      TT        SSSSSS LL            II    NN  NN  NN  KKKKK       AA      AA  GG
00      00      TT        SSSSSS LL            II    NN  NN  NN  KKKKK       AA      AA  GG
00      00      TT            SS LL            II    NN    NNNN  KK  KK      AAAAAAAAAA  GG  GGGGGG
00      00      TT            SS LL            II    NN    NNNN  KK  KK      AAAAAAAAAA  GG  GGGGGG
00      00      TT            SS LL            II    NN      NN  KK      KK  AA      AA  GG      GG
00      00      TT            SS LL            II    NN      NN  KK      KK  AA      AA  GG      GG
 000000         TT     SSSSSSSS  LLLLLLLLLL  IIIIII  NN      NN  KK      KK  AA      AA  GGGGGG    ....
 000000         TT     SSSSSSSS  LLLLLLLLLL  IIIIII  NN      NN  KK      KK  AA      AA  GGGGGG    ....
```

```
LL          IIIIII  SSSSSSSS
LL          IIIIII  SSSSSSSS
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
```

I 14

OTS$LINKAGE
1-003

J 14
- Pull in anything required by compilers 16-SEP-1984 00:32:12 VAX/VMS Macro V04-00   Page 1
                                        6-SEP-1984 11:14:28 [LIBRTL.SRC]OTSLINKAG.MAR;1   (1)

```
0000      1          .TITLE  OTS$LINKAGE - Pull in anything required by compilers
0000      2          .IDENT  /1-003/                    ; File: OTSLINKAG.MAR
0000      3
0000      4
0000      5  ;*******************************************************************************
0000      6  ;*                                                                             *
0000      7  ;*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                    *
0000      8  ;*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                     *
0000      9  ;*  ALL RIGHTS RESERVED.                                                       *
0000     10  ;*                                                                             *
0000     11  ;*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED      *
0000     12  ;*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE      *
0000     13  ;*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER      *
0000     14  ;*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY      *
0000     15  ;*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY      *
0000     16  ;*  TRANSFERRED.                                                               *
0000     17  ;*                                                                             *
0000     18  ;*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE      *
0000     19  ;*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT      *
0000     20  ;*  CORPORATION.                                                               *
0000     21  ;*                                                                             *
0000     22  ;*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS      *
0000     23  ;*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                    *
0000     24  ;*                                                                             *
0000     25  ;*                                                                             *
0000     26  ;*******************************************************************************
0000     27  ;
0000     28
0000     29  ;++
0000     30  ; FACILITY: General Utility Library
0000     31  ;
0000     32  ; ABSTRACT:
0000     33  ;
0000     34  ;       Pull in any code, constants, etc. required by compilers.
0000     35  ;       (Currently there is nothing, but compiler outputs reference anyway).
0000     36  ;
0000     37  ; ENVIRONMENT: User Mode, AST Reentrant
0000     38  ;
0000     39  ;--
0000     40  ; AUTHOR: Jonathan M. Taylor, CREATION DATE: 23-Jan-78
0000     41  ;
0000     42  ; MODIFIED BY:
0000     43  ;
0000     44  ;       JMT, 23-Jan-78 : VERSION 0
0000     45  ; 0-1   - Original
0000     46  ; 0-4   - Remove LIB$K_VERSION (use major,minor id in MAP).  TNH 29-July-78
0000     47  ; 1-001 - Update version number and copyright notice.  JBS 16-NOV-78
0000     48  ; 1-002 - Add " " to the PSECT directive.  JBS 22-DEC-78
0000     49  ; 1-003 - Add FOR$LINKAGE and BAS$LINKAGE.  JBS 13-JUL-1979
```

```
        0000        51                .SBTTL  DECLARATIONS
        0000        52        ;
        0000        53        ; INCLUDE FILES:
        0000        54        ;
        0000        55
        0000        56        ;
        0000        57        ; MACROS:
        0000        58        ;
        0000        59
        0000        60        ; EQUATED SYMBOLS:
        0000        61        ;
        0000        62
        0000        63
        0000        64        ;
        0000        65        ; OWN STORAGE:
        0000        66        ;
        0000        67
        0000        68        ;
        0000        69        ; PSECT DECLARATIONS:
        0000        70        ;
    00000000        71                .PSECT _OTS$CODE PIC, SHR, LONG, EXE, NOWRT
        0000        72
```

OTS$LINKAGE
1-003
L 14
- Pull in anything required by compilers 16-SEP-1984 00:32:12 VAX/VMS Macro V04-00   Page 3
OTS$LINKAGE - pull in stuff required by 6-SEP-1984 11:14:28 [LIBRTL.SRC]OTSLINKAG.MAR;1   (3)

```
        0000    74              .SBTTL  OTS$LINKAGE      - pull in stuff required by compilers
        0000    75
        0000    76  ;++
        0000    77  ; FUNCTIONAL DESCRIPTION:
        0000    78  ;
        0000    79  ;
        0000    80  ; CALLING SEQUENCE:
        0000    81  ;
        0000    82  ; INPUT PARAMETERS:
        0000    83  ;
        0000    84  ;     NONE
        0000    85  ;
        0000    86  ; IMPLICIT INPUTS:
        0000    87  ;
        0000    88  ;     NONE
        0000    89  ;
        0000    90  ; OUTPUT PARAMETERS:
        0000    91  ;
        0000    92  ;     NONE
        0000    93  ;
        0000    94  ; IMPLICIT OUTPUTS:
        0000    95  ;
        0000    96  ;     NONE
        0000    97  ;
        0000    98  ; FUNCTION VALUE:
        0000    99  ;
        0000   100  ;
        0000   101  ; SIDE EFFECTS:
        0000   102  ;
        0000   103  ;     NONE
        0000   104  ;
        0000   105  ;--
0000    0000   106              .ENTRY  OTS$LINKAGE, 0
00      0002   107              HALT                                ; in case a user tries to call it
        0003   108  ;+
        0003   109  ; Put in per-language names, in case we ever need them.
        0003   110  ;-
00000000 0003   111  FOR$LINKAGE==OTS$LINKAGE
00000000 0003   112  BAS$LINKAGE==OTS$LINKAGE
        0003   113
        0003   114              .END
```

OTS$LINKAGE   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
_OTS$CODE                         00000003 (    3.)  01 (  1.)  PIC    USR  CON  REL  LCL  SHR   EXE   RD   NOWRT NOVEC LONG

                                    +----------------------------+
                                    ! Performance indicators !
                                    +----------------------------+

Phase                     Page faults    CPU Time       Elapsed Time
-----                     -----------    --------       ------------
Initialization                    29    00:00:00.04     00:00:00.93
Command processing               116    00:00:00.29     00:00:02.50
Pass 1                            68    00:00:00.23     00:00:01.52
Symbol table sort                  0    00:00:00.00     00:00:00.00
Pass 2                            38    00:00:00.16     00:00:02.07
Symbol table output                2    00:00:00.01     00:00:00.01
Psect synopsis output              2    00:00:00.01     00:00:00.01
Cross-reference output             0    00:00:00.00     00:00:00.00
Assembler run totals             257    00:00:00.74     00:00:07.04
```

The working set limit was 900 pages.
1042 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.
114 source lines were read in Pass 1, producing 11 object records in Pass 2.
0 pages of virtual memory were used to define 0 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/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS$:OTSLINKAG/OBJ=OBJ$:OTSLINKAG MSRC$:OTSLINKAG/UPDATE=(ENH$:OTSLINKAG)

OTSCVTPD
LIS

OTSCVTTF
LIS

OTSCVTRFP
LIS

OTSCVTRT
LIS

OTSCVTTOL
LIS

OTSCVTPG
LIS

OTSCVTTR
LIS

OTSCVTRHP
LIS

OTSLINKAG
LIS

OTSCVTRDP
LIS

OTSCVTTIL
LIS

OTSCVTTLL
LIS

OTSCVTPF
LIS

OTSCVTRGP
LIS

OTSMOVE
LIS

OTSMSG
LIS

OTSCVTPH
LIS

OTSLUN
LIS