```
FFFFFFFFFFFFFF     000000000    RRRRRRRRRRR    RRRRRRRRRRR    TTTTTTTTTTTTTT  LLL
FFFFFFFFFFFFFF     000000000    RRRRRRRRRRR    RRRRRRRRRRR    TTTTTTTTTTTTTT  LLL
FFFFFFFFFFFFFF     000000000    RRRRRRRRRRR    RRRRRRRRRRR    TTTTTTTTTTTTTT  LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFFFFFFFFFF      000      000   RRRRRRRRRRR    RRRRRRRRRRR         TTT        LLL
FFFFFFFFFFF      000      000   RRRRRRRRRRR    RRRRRRRRRRR         TTT        LLL
FFFFFFFFFFF      000      000   RRRRRRRRRRR    RRRRRRRRRRR         TTT        LLL
FFF              000      000   RRR   RRR      RRR   RRR           TTT        LLL
FFF              000      000   RRR   RRR      RRR   RRR           TTT        LLL
FFF              000      000   RRR   RRR      RRR   RRR           TTT        LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFF              000      000   RRR      RRR   RRR      RRR        TTT        LLL
FFF                000000000    RRR      RRR   RRR      RRR        TTT        LLLLLLLLLLLLLLL
FFF                000000000    RRR      RRR   RRR      RRR        TTT        LLLLLLLLLLLLLLL
FFF                000000000    RRR      RRR   RRR      RRR        TTT        LLLLLLLLLLLLLLL
```

FILEID**FORVECTOR

```
FFFFFFFFFF    000000    RRRRRRRR   VV      VV   EEEEEEEEEEE    CCCCCCCC   TTTTTTTTTT    000000    RRRRRRRR
FFFFFFFFFF    000000    RRRRRRRR   VV      VV   EEEEEEEEEEE    CCCCCCCC   TTTTTTTTTT    000000    RRRRRRRR
FF            00    00  RR     RR  VV      VV   EE             CC             TT        00    00  RR     RR
FF            00    00  RR     RR  VV      VV   EE             CC             TT        00    00  RR     RR
FF            00    00  RR     RR  VV      VV   EE             CC             TT        00    00  RR     RR
FFFFFFFF      00    00  RRRRRRRR   VV      VV   EEEEEEEE       CC             TT        00    00  RRRRRRRR
FFFFFFFF      00    00  RRRRRRRR   VV      VV   EEEEEEEE       CC             TT        00    00  RRRRRRRR
FF            00    00  RR  RR     VV      VV   EE             CC             TT        00    00  RR  RR
FF            00    00  RR  RR     VV      VV   EE             CC             TT        00    00  RR  RR
FF            00    00  RR    RR    VV    VV    EE             CC             TT        00    00  RR    RR
FF            00    00  RR    RR    VV    VV    EE             CC             TT        00    00  RR    RR
FF            000000    RR      RR   VV  VV     EEEEEEEEEE     CCCCCCCC       TT        000000    RR      RR
FF            000000    RR      RR    VVVV      EEEEEEEEEE     CCCCCCCC       TT        000000    RR      RR

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
```

Table of contents

```
0000     1              .TITLE  FOR$VECTOR - Entry vectors for FORRTL.EXE
0000     2              .IDENT  /1-004/               ; File: FORVECTOR.MAR Edit: SBL1004
0000     3      ;
0000     4      ;
0000     5      ;********************************************************************
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0000    24      ;*                                                                  *
0000    25      ;*                                                                  *
0000    26      ;********************************************************************
0000    27      ;
0000    28
0000    29      ;++
0000    30      ; FACILITY: Run-Time Library - FORTRAN Language Support
0000    31      ;
0000    32      ; ABSTRACT:
0000    33      ;
0000    34      ;        This module contains the entry vector definitions for the
0000    35      ;        VAX-11 Run-Time  ibrary shareable image FORRTL.EXE
0000    36      ;
0000    37      ; ENVIRONMENT: User mode, AST Reentrant
0000    38      ;
0000    39      ; AUTHOR: Steven B. Lionel, CREATION DATE: 29-October-1982
0000    40      ;
0000    41      ; MODIFIED BY:
0000    42      ;
0000    43      ; 1-001 - Original. SBL 29-October-1982
0000    44      ; 1-002 - Add FOR$$IO_BEG.  SBL 11-May-1983
0000    45      ; 1-003 - Add FOR$READ_IL and FOR$WRITE_IL.  SBL 19-May-1983
0000    46      ; 1-004 - Add all remaining FOR$ routines, plus those FOR$$ routines
0000    47      ;           referenced by COM$ routines.  SBL 1-Jul-1983
0000    48      ;--
```

FOR$VECTOR
1-004

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- Entry vectors for FORRTL.EXE   15-SEP-1984 23:46:45 VAX/VMS Macro V04-00   Page 2
DECLARATIONS   6-SEP-1984 11:01:42 [FORRTL.SRC]FORVECTOR.MAR;1   (2)

```
0000      50              .SBTTL   DECLARATIONS
0000      51 ;
0000      52 ; LIBRARY MACRO CALLS:
0000      53 ;
0000      54 ;         NONE
0000      55 ;
0000      56 ; EXTERNAL DECLARATIONS:
0000      57 ;
0000      58              .DSABL   GBL                 ; Force all external symbols to be declared
0000      59 ;
0000      60 ; MACROS:
0000      61 ;
0000      62 ;
0000      63 ;+
0000      64 ; Macro to define an entry vector for a CALL entry point
0000      65 ;-
0000      66
0000      67              .MACRO   VCALL   NAME, ALTMSK
0000      68              .EXTRN           NAME
0000      69              .TRANSFER        NAME
0000      70              .IF B ALTMSK
0000      71              .MASK            NAME
0000      72              .IFF
0000      73              .MASK            ALTMSK
0000      74              .ENDC
0000      75              JMP              NAME+2
0000      76              .ENDM
0000      77
0000      78 ;+
0000      79 ; Macro to define an entry vector for a JSB entry point
0000      80 ;-
0000      81
0000      82              .MACRO   VJSB    NAME
0000      83              .EXTRN           NAME
0000      84              .TRANSFER        NAME
0000      85              JMP              NAME
0000      86              .BLKB            2
0000      87              .ENDM
0000      88
0000      89 ;+
0000      90 ; Macro to define an alias for the next vectored entry point
0000      91 ;-
0000      92
0000      93              .MACRO   ALIAS   NAME
0000      94              .TRANSFER        NAME
0000      95              .ENDM
0000      96
0000      97
0000      98 ;
0000      99 ; EQUATED SYMBOLS:
0000     100 ;
0000     101 ;         NONE
0000     102 ;
0000     103 ; OWN STORAGE:
0000     104 ;
0000     105 ;         NONE
0000     106 ;
```

```
          0000    107 ; PSECT DECLARATIONS:
          0000    108 ;
      00000000    109         .PSECT $FOR$VECTOR PIC, USR, CON, REL, LCL, SHR, -
          0000    110                 EXE, RD, NOWRT, LONG
          0000    111
```

```
                 0000    113            .SBTTL   FORRTL Vector
                 0000    114
                 0000    115  ;+
                 0000    116  ; Define vectored entry points for the FORTRAN Language Support procedures
                 0000    117  ; by module in alphabetical order.
                 0000    118  ;
                 0000    119  ; Any additions to this file should be reflected in
                 0000    120  ; COMS.FORRTLVEC.DAT.  All new entry points must be appended to the end
                 0000    121  ; of the list.  NEVER change existing entries unless you are sure that
                 0000    122  ; what you do won't break existing programs.
                 0000    123  ;-
                 0000    124
                 0000    125  ; Module FOR$$CB
                 0000    126
                 0000    127            VJSB     FOR$$CB_GET
                 0008    128            ALIAS    FOR$$CB_RET
                 0008    129            VJSB     FOR$$CB_POP
                 0010    130            VJSB     FOR$$CB_PUSH
                 0018    131            VCALL    FOR$$FP_MATCH
                 0020    132
                 0020    133  ; Module FOR$BACKSPACE
                 0020    134
                 0020    135            VCALL    FOR$BACKSPACE
                 0028    136
                 0028    137  ; Module FOR$CLOSE
                 0028    138
                 0028    139            VCALL    FOR$CLOSE
                 0030    140
                 0030    141  ; Module FOR$CVTRT
                 0030    142
                 0030    143            ALIAS    FOR$CNV_OUT_D
                 0030    144            VCALL    FOR$CVT_D_TD
                 0038    145            ALIAS    FOR$CNV_OUT_E
                 0038    146            VCALL    FOR$CVT_D_TE
                 0040    147            ALIAS    FOR$CNV_OUT_F
                 0040    148            VCALL    FOR$CVT_D_TF
                 0048    149            ALIAS    FOR$CNV_OUT_G
                 0048    150            VCALL    FOR$CVT_D_TG
                 0050    151            VCALL    FOR$CVT_F_TD
                 0058    152            VCALL    FOR$CVT_F_TE
                 0060    153            VCALL    FOR$CVT_F_TF
                 0068    154            VCALL    FOR$CVT_F_TG
                 0070    155            VCALL    FOR$CVT_G_TD
                 0078    156            VCALL    FOR$CVT_G_TE
                 0080    157            VCALL    FOR$CVT_G_TF
                 0088    158            VCALL    FOR$CVT_G_TG
                 0090    159            VCALL    FOR$CVT_H_TD
                 0098    160            VCALL    FOR$CVT_H_TE
                 00A0    161            VCALL    FOR$CVT_H_TF
                 00A8    162            VCALL    FOR$CVT_H_TG
                 00B0    163
                 00B0    164  ; Module FOR$DECODE_MF
                 00B0    165
                 00B0    166            VCALL    FOR$DECODE_MF    FOR$$IO_BEG
                 00B8    167
                 00B8    168  ; Module FOR$DECODE_MO
                 00B8    169
```

```
00B8   170              VCALL    FOR$DECODE_MO   FOR$$IO_BEG
00C0   171
00C0   172 ; Module FOR$DEFINE_FILE
00C0   173
00C0   174              VCALL    FOR$DEF_FILE
00C8   175              VCALL    FOR$DEF_FILE_W
00D0   176
00D0   177 ; Module FOR$DELETE
00D0   178
00D0   179              VCALL    FOR$DELETE
00D8   180              VCALL    FOR$DELETE_D
00E0   181
00E0   182 ; Module FOR$ENCODE_MF
00E0   183
00E0   184              VCALL    FOR$ENCODE_MF   FOR$$IO_BEG
00E8   185
00E8   186 ; Module FOR$ENCODE_MO
00E8   187
00E8   188              VCALL    FOR$ENCODE_MO   FOR$$IO_BEG
00F0   189
00F0   190 ; Module FOR$ENDFILE
00F0   191
00F0   192              VCALL    FOR$ENDFILE
00F8   193
00F8   194 ; Module FOR$ERRSNS
00F8   195
00F8   196              VCALL    FOR$$ERRSNS_SAV
0100   197              VCALL    FOR$ERRSNS
0108   198              VCALL    FOR$ERRSNS_W
0110   199
0110   200 ; Module FOR$EXIT
0110   201
0110   202              VCALL    FOR$EXIT
0118   203              VCALL    FOR$EXIT_W
0120   204
0120   205 ; Module FOR$FIND
0120   206
0120   207              VCALL    FOR$FIND
0128   208
0128   209 ; Module FOR$INI_DES
0128   210
0128   211              VJSB     FOR$INI_DES1_R2
0130   212              VJSB     FOR$INI_DES2_R3
0138   213              VJSB     FOR$INI_DESC_R6
0140   214
0140   215 ; Module FOR$INQUIRE
0140   216
0140   217              VCALL    FOR$INQUIRE
0148   218
0148   219 ; Module FOR$IO_ELEM
0148   220
0148   221              VCALL    FOR$IO_B_R
0150   222              VCALL    FOR$IO_B_V
0158   223              VCALL    FOR$IO_DC_R
0160   224              VCALL    FOR$IO_DC_V
0168   225              VCALL    FOR$IO_D_R
0170   226              VCALL    FOR$IO_D_V
```

```
0178  227           VCALL    FOR$IO_FC_R
0180  228           VCALL    FOR$IO_FC_V
0188  229           VCALL    FOR$IO_F_R
0190  230           VCALL    FOR$IO_F_V
0198  231           VCALL    FOR$IO_GC_R
01A0  232           VCALL    FOR$IO_GC_V
01A8  233           VCALL    FOR$IO_G_R
01B0  234           VCALL    FOR$IO_G_V
01B8  235           VCALL    FOR$IO_H_R
01C0  236           VCALL    FOR$IO_H_V
01C8  237           VCALL    FOR$IO_LO_R
01D0  238           VCALL    FOR$IO_LU_V
01D8  239           VCALL    FOR$IO_L_R
01E0  240           VCALL    FOR$IO_L_V
01E8  241           VCALL    FOR$IO_T_DS
01F0  242           VCALL    FOR$IO_T_V_DS
01F8  243           VCALL    FOR$IO_WO_R
0200  244           VCALL    FOR$IO_WU_V
0208  245           VCALL    FOR$IO_W_R
0210  246           VCALL    FOR$IO_W_V
0218  247           VCALL    FOR$IO_X_DA
0220  248           VCALL    FOR$IO_X_NL
0228  249           VCALL    FOR$IO_X_SB
0230  250           VCALL    FOR$IO_X_SE
0238  251
0238  252   ; Module FOR$IO_END
0238  253
0238  254           VCALL    FOR$IO_END
0240  255
0240  256   ; Module FOR$OPEN
0240  257
0240  258           VCALL    FOR$OPEN
0248  259
0248  260   ; Module FOR$PAUSE
0248  261
0248  262           VCALL    FOR$PAUSE
0250  263
0250  264   ; Module FOR$RAB
0250  265
0250  266           VCALL    FOR$RAB
0258  267
0258  268   ; Module FOR$READ_DF
0258  269
0258  270           VCALL    FOR$READ_DF      FOR$$IO_BEG
0260  271
0260  272   ; Module FOR$READ_DO
0260  273
0260  274           VCALL    FOR$READ_DO      FOR$$IO_BEG
0268  275
0268  276   ; Module FOR$READ_DU
0268  277
0268  278           VCALL    FOR$READ_DU      FOR$$IO_BEG
0270  279
0270  280   ; Module FOR$READ_IF
0270  281
0270  282           VCALL    FOR$READ_IF      FOR$$IO_BEG
0278  283
```

```
0278    284 ; Module FOR$READ_IO
0278    285
0278    286          VCALL    FOR$READ_IO      FOR$$IO_BEG
0280    287
0280    288 ; Module FOR$READ_KF
0280    289
0280    290          VCALL    FOR$READ_KF      FOR$$IO_BEG
0288    291
0288    292 ; Module FOR$READ_KO
0288    293
0288    294          VCALL    FOR$READ_KO      FOR$$IO_BEG
0290    295
0290    296 ; Module FOR$READ_KU
0290    297
0290    298          VCALL    FOR$READ_KU      FOR$$IO_BEG
0298    299
0298    300 ; Module FOR$READ_SF
0298    301
0298    302          VCALL    FOR$READ_SF      FOR$$IO_BEG
02A0    303
02A0    304 ; Module FOR$READ_SL
02A0    305
02A0    306          VCALL    FOR$READ_SL      FOR$$IO_BEG
02A8    307
02A8    308 ; Module FOR$READ_SN
02A8    309
02A8    310          VCALL    FOR$READ_SN      FOR$$IO_BEG
02B0    311
02B0    312 ; Module FOR$READ_SO
02B0    313
02B0    314          VCALL    FOR$READ_SO      FOR$$IO_BEG
02B8    315
02B8    316 ; Module FOR$READ_SU
02B8    317
02B8    318          VCALL    FOR$READ_SU      FOR$$IO_BEG
02C0    319
02C0    320 ; Module FOR$REWIND
02C0    321
02C0    322          VCALL    FOR$REWIND
02C8    323
02C8    324 ; Module FOR$REWRITE_SF
02C8    325
02C8    326          VCALL    FOR$REWRITE_SF   FOR$$IO_BEG
02D0    327
02D0    328 ; Module FOR$REWRITE_SO
02D0    329
02D0    330          VCALL    FOR$REWRITE_SO   FOR$$IO_BEG
02D8    331
02D8    332 ; Module FOR$REWRITE_SU
02D8    333
02D8    334          VCALL    FOR$REWRITE_SU   FOR$$IO_BEG
02E0    335
02E0    336 ; Module FOR$SECNDS
02E0    337
02E0    338          VCALL    FOR$SECNDS
02E8    339
02E8    340 ; Module FOR$STOP
```

```
02E8    341
02E8    342              VCALL    FOR$STOP
02F0    343
02F0    344   ; Module FOR$UNLOCK
02F0    345
02F0    346              VCALL    FOR$UNLOCK
02F8    347
02F8    348   ; Module FOR$WRITE_DF
02F8    349
02F8    350              VCALL    FOR$WRITE_DF    FOR$$IO_BEG
0300    351
0300    352   ; Module FOR$WRITE_DO
0300    353
0300    354              VCALL    FOR$WRITE_DO    FOR$$IO_BEG
0308    355
0308    356   ; Module FOR$WRITE_DU
0308    357
0308    358              VCALL    FOR$WRITE_DU    FOR$$IO_BEG
0310    359
0310    360   ; Module FOR$WRITE_IF
0310    361
0310    362              VCALL    FOR$WRITE_IF    FOR$$IO_BEG
0318    363
0318    364   ; Module FOR$WRITE_IO
0318    365
0318    366              VCALL    FOR$WRITE_IO    FOR$$IO_BEG
0320    367
0320    368   ; Module FOR$WRITE_SF
0320    369
0320    370              VCALL    FOR$WRITE_SF    FOR$$IO_BEG
0328    371
0328    372   ; Module FOR$WRITE_SL
0328    373
0328    374              VCALL    FOR$WRITE_SL    FOR$$IO_BEG
0330    375
0330    376   ; Module FOR$WRITE_SN
0330    377
0330    378              VCALL    FOR$WRITE_SN    FOR$$IO_BEG
0338    379
0338    380   ; Module FOR$WRITE_SO
0338    381
0338    382              VCALL    FOR$WRITE_SO    FOR$$IO_BEG
0340    383
0340    384   . Module FOR$WRITE_SU
0340    385
0340    386              VCALL    FOR$WRITE_SU    FOR$$IO_BEG
0348    387
0348    388
0348    389   ;+
0348    390   ; End of initial FORRTL vector.  All subsequent additions must be made
0348    391   ; after this point.
0348    392   ;-
0348    393
0348    394   ;+
0348    395   ; FOR$$IO_BEG is never called from outside of FORRTL, but its entry mask
0348    396   ; needs to be made available to VMSRTL, hence its inclusion here.
0348    397   ;-
```

```
B  5

0348    398
0378    399 ; Module FOR$SIO_BEG
0348    400         VCALL   FOR$SIO_BEG
0350    401
0350    402 ; Module FOR$READ_IL
0350    403         VCALL   FOR$READ_IL     FOR$SIO_BEG
0358    404
0358    405 ; Module FOR$WRITE_IL
0358    406         VCALL   FOR$WRITE_IL    FOR$SIO_BEG
0360    407
0360    408 ; Module FOR$BITOPS
0360    409
0360    410         VCALL   FOR$BITEST
0368    411         VCALL   FOR$BJTEST
0370    412         VCALL   FOR$IIBCLR
0378    413         VCALL   FOR$IIBITS
0380    414         VCALL   FOR$IIBSET
0388    415         VCALL   FOR$IISHFTC
0390    416         VCALL   FOR$IMVBITS
0398    417         VCALL   FOR$JIBCLR
03A0    418         VCALL   FOR$JIBITS
03A8    419         VCALL   FOR$JIBSET
03B0    420         VCALL   FOP$JISHFTC
03B8    421         VCALL   FOR$JMVBITS
03C0    422
03C0    423 ; Module FOR$DATE
03C0    424
03C0    425         VCALL   FOR$DATE
03C8    426
03C8    427 ; Module FOR$DATE_T_DS
03C8    428
03C8    429         VCALL   FOR$DATE_T_DS
03D0    430
03D0    431 ; Module FOR$IDATE
03D0    432
03D0    433         VCALL   FOR$IDATE
03D8    434
03D8    435 ; Module FOR$JDATE
03D8    436
03D8    437         VCALL   FOR$JDATE
03E0    438
03E0    439 ; Module FOR$LEX
03E0    440
03E0    441         VCALL   FOR$LGE
03E8    442         VCALL   FOR$LGT
03F0    443         VCALL   FOR$LLE
03F8    444         VCALL   FOR$LLT
0400    445
0400    446 ; Module FOR$RANDOM
0400    447
0400    448         VCALL   FOR$IRAN
0408    449         ALIAS   FOR$RANDU_W
0408    450         VCALL   FOR$RANDU
0410    451
0410    452 ; Module FOR$TIME
0410    453
0410    454         VCALL   FOR$TIME
```

```
0418    455
0418    456 ; Module FOR$TIME_T_DS
0418    457
0418    458         VCALL   FOR$TIME_T_DS
0420    459
0420    460 ;+
0420    461 ; Internal entry points that are called by COM$ (PDP-11 Compatibility)
0420    462 ; modules.
0420    463 ;-
0420    464
0420    465 ; Module FOR$$ERROR
0420    466
0420    467         VCALL   FOR$$ERR_OPECLO
0428    468
0428    469 ; Module FOR$$SIGNAL
0428    470
0428    471         VCALL   FOR$$SIGNAL_STO
0430    472         VCALL   FOR$$SIG_FATINT
0438    473         VCALL   FOR$$SIG_NO_LUB
0440    474
0440    475 ; Module FOR$ERRSNS
0440    476
0440    477         VCALL   FOR$$INIT_ERRSET
0448    478
0448    479 ; Module FOR$$VM
0448    480
0448    481         VCALL   FOR$$FREE_VM
0450    482         VCALL   FOR$$GET_VM
0458    483
0458    484         .END                            ; End of module FOR$VECTOR
```

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FOR$VECTOR   - Entry vectors for FORRTL.EXE   15-SEP-1984 23:46:45 VAX/VMS Macro V04-00   Page 11
Symbol table   6-SEP-1984 11:01:42 [FORRTL.SRC]FORVECTOR.MAR;1   (3)

FOR$$CB_GET	********	X	01	FOR$INI_DESC_R6		********	X	01
FOR$$CB_POP	********	X	01	FOR$INQUIRE		********	X	01
FOR$$CB_PUSH	********	X	01	FOR$IO_B_R		********	X	01
FOR$$ERRSNS_SAV	********	X	01	FOR$IO_B_V		********	X	01
FOR$$ERR_OPECLO	********	X	01	FOR$IO_DC_R		********	X	01
FOR$$FP_MATCH	********	X	01	FOR$IO_DC_V		********	X	01
FOR$$FREE_VM	********	X	01	FOR$IO_D_R		********	X	01
FOR$$GET_VM	********	X	01	FOR$IO_D_V		********	X	01
FOR$$INIT_ERRSET	********	X	01	FOR$IO_END		********	X	01
FOR$$IO_BEG	********	X	01	FOR$IO_FC_R		********	X	01
FOR$$SIGNAL_STO	********	X	01	FOR$IO_FC_V		********	X	01
FOR$$SIG_FATINT	********	X	01	FOR$IO_F_R		********	X	01
FOR$$SIG_NO_LUB	********	X	01	FOR$IO_F_V		********	X	01
FOR$BACKSPACE	********	X	01	FOR$IO_GC_R		********	X	01
FOR$BITEST	********	X	01	FOR$IO_GC_V		********	X	01
FOR$BJTEST	********	X	01	FOR$IO_G_R		********	X	01
FOR$CLOSE	********	X	01	FOR$IO_G_V		********	X	01
FOR$CVT_D_TD	********	X	01	FOR$IO_H_R		********	X	01
FOR$CVT_D_TE	********	X	01	FOR$IO_H_V		********	X	01
FOR$CVT_D_TF	********	X	01	FOR$IO_LO_R		********	X	01
FOR$CVT_D_TG	********	X	01	FOR$IO_LU_V		********	X	01
FOR$CVT_F_TD	********	X	01	FOR$IO_L_R		********	X	01
FOR$CVT_F_TE	********	X	01	FOR$IO_L_V		********	X	01
FOR$CVT_F_TF	********	X	01	FOR$IO_T_DS		********	X	01
FOR$CVT_F_TG	********	X	01	FOR$IO_T_V_DS		********	X	01
FOR$CVT_G_TD	********	X	01	FOR$IO_WO_R		********	X	01
FOR$CVT_G_TE	********	X	01	FOR$IO_WU_V		********	X	01
FOR$CVT_G_TF	********	X	01	FOR$IO_W_R		********	X	01
FOR$CVT_G_TG	********	X	01	FOR$IO_W_V		********	X	01
FOR$CVT_H_TD	********	X	01	FOR$IO_X_DA		********	X	01
FOR$CVT_H_TE	********	X	01	FOR$IO_X_NL		********	X	01
FOR$CVT_H_TF	********	X	01	FOR$IO_X_SB		********	X	01
FOR$CVT_H_TG	********	X	01	FOR$IO_X_SE		********	X	01
FOR$DATE	********	X	01	FOR$IRAN		********	X	01
FOR$DATE_T_DS	********	X	01	FOR$JDATE		********	X	01
FOR$DECODE_MF	********	X	01	FOR$JIBCLR		********	X	01
FOR$DECODE_MO	********	X	01	FOR$JIBITS		********	X	01
FOR$DEF_FILE	********	X	01	FOR$JIBSET		********	X	01
FOR$DEF_FILE_W	********	X	01	FOR$JISHFTC		********	X	01
FOR$DELETE	********	X	01	FOR$JMVBITS		********	X	01
FOR$DELETE_D	********	X	01	FOR$LGE		********	X	01
FOR$ENCODE_MF	********	X	01	FOR$LGT		********	X	01
FOR$ENCODE_MO	********	X	01	FOR$LLE		********	X	01
FOR$ENDFILE	********	X	01	FOR$LLT		********	X	01
FOR$ERRSNS	********	X	01	FOR$OPEN		********	X	01
FOR$ERRSNS_W	********	X	01	FOR$PAUSE		********	X	01
FOR$EXIT	********	X	01	FOR$RAB		********	X	01
FOR$EXIT_W	********	X	01	FOR$RANDU		********	X	01
FOR$FIND	********	X	01	FOR$READ_DF		********	X	01
FOR$IDATE	********	X	01	FOR$READ_DO		********	X	01
FOR$IIBCLR	********	X	01	FOR$READ_DU		********	X	01
FOR$IIBITS	********	X	01	FOR$READ_IF		********	X	01
FOR$IIBSET	********	X	01	FOR$READ_IL		********	X	01
FOR$IISHFTC	********	X	01	FOR$READ_IO		********	X	01
FOR$IMVBITS	********	X	01	FOR$READ_KF		********	X	01
FOR$INI_DES1_R2	********	X	01	FOR$READ_KO		********	X	01
FOR$INI_DES2_R3	********	X	01	FOR$READ_KU		********	X	01

```
FOR$READ_SF        ********  X  01
FOR$READ_SL        ********  X  01
FOR$READ_SN        ********  X  01
FOR$READ_SO        ********  X  01
FOR$READ_SU        ********  X  01
FOR$REWIND         ********  X  01
FOR$REWRITE_SF     ********  X  01
FOR$REWRITE_SO     ********  X  01
FOR$REWRITE_SU     ********  X  01
FOR$SECNDS         ********  X  01
FOR$STOP           ********  X  01
FOR$TIME           ********  X  01
FOR$TIME_T_DS      ********  X  01
FOR$UNLOCK         ********  X  01
FOR$WRITE_DF       ********  X  01
FOR$WRITE_DO       ********  X  01
FOR$WRITE_DU       ********  X  01
FOR$WRITE_IF       ********  X  01
FOR$WRITE_IL       ********  X  01
FOR$WRITE_IO       ********  X  01
FOR$WRITE_SF       ********  X  01
FOR$WRITE_SL       ********  X  01
FOR$WRITE_SN       ********  X  01
FOR$WRITE_SO       ********  X  C1
FOR$WRITE_SU       ********  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
FORVECTOR	00000458 (1112.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.12	00:00:00.95
Command processing	114	00:00:00.54	00:00:07.35
Pass 1	122	00:00:03.30	00:00:08.16
Symbol table sort	0	00:00:00.15	00:00:00.19
Pass 2	102	00:00:01.46	00:00:03.72
Symbol table output	18	00:00:00.13	00:00:00.66
Psect synopsis output	1	00:00:00.02	00:00:00.05
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	388	00:00:05.73	00:00:21.08

The working set limit was 1050 pages.
17467 bytes (35 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 139 non-local and 0 local symbols.
484 source lines were read in Pass 1, producing 29 object records in Pass 2.
3 pages of virtual memory were used to define 3 macros.

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

Macro library name	Macros defined
_255DUA28:[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$:FORVECTOR/OBJ=OBJ$:FORVECTOR MSRC$:FORVECTOR/UPDATE=(ENH$:FORVECTOR)

HELP

FORWRITDF
LIS

VMSHELP
MAP

HLD
MDL

FORWRITDU
LIS

FORVECTOR
LIS

FORWRITIL
LIS

FORWRITSF
LIS

HLD

HLDMACROS
MAR

FORVM
LIS

FORWRITSN
LIS

HLD
MAP

FORWRITSU
LIS

RSXDEFS
MAR

FORUNLOCK
LIS

FORWRITDO
LIS

HELP
LIS

FORWRITIF
LIS

FORWRITIO
LIS

HLDCSTA
LIS

FORUDFWU
LIS

FORUNDERF
LIS

FORWRITSL
LIS

FORWRITSO
LIS