```
RRRRRRRRRRRR     UUU         UUU  NNN         NNN     000000000     FFFFFFFFFFFFFFF  FFFFFFFFFFFFFFF
RRRRRRRRRRRR     UUU         UUU  NNN         NNN     000000000     FFFFFFFFFFFFFFF  FFFFFFFFFFFFFFF
RRRRRRRRRRRR     UUU         UUU  NNN         NNN     000000000     FFFFFFFFFFFFFFF  FFFFFFFFFFFFFFF
RRR         RRR  UUU         UUU  NNN         NNN  000         000  FFF              FFF
RRR         RRR  UUU         UUU  NNN         NNN  000         000  FFF              FFF
RRR         RRR  UUU         UUU  NNN         NNN  000         000  FFF              FFF
RRR         RRR  UUU         UUU  NNNNNN      NNN  000         000  FFF              FFF
RRR         RRR  UUU         UUU  NNNNNN      NNN  000         000  FFF              FFF
RRR         RRR  UUU         UUU  NNNNNN      NNN  000         000  FFF              FFF
RRRRRRRRRRRR     UUU         UUU  NNN   NNN   NNN  000         000  FFFFFFFFFFFF     FFFFFFFFFFFF
RRRRRRRRRRRR     UUU         UUU  NNN   NNN   NNN  000         000  FFFFFFFFFFFF     FFFFFFFFFFFF
RRRRRRRRRRRR     UUU         UUU  NNN   NNN   NNN  000         000  FFFFFFFFFFFF     FFFFFFFFFFFF
RRR   RRR        UUU         UUU  NNN      NNNNNN  000         000  FFF              FFF
RRR   RRR        UUU         UUU  NNN      NNNNNN  000         000  FFF              FFF
RRR   RRR        UUU         UUU  NNN      NNNNNN  000         000  FFF              FFF
RRR      RRR     UUU         UUU  NNN         NNN  000         000  FFF              FFF
RRR      RRR     UUU         UUU  NNN         NNN  000         000  FFF              FFF
RRR      RRR     UUU         UUU  NNN         NNN  000         000  FFF              FFF
RRR         RRR  UUUUUUUUUUUUUUU  NNN         NNN     000000000     FFF              FFF
RRR         RRR  UUUUUUUUUUUUUUU  NNN         NNN     000000000     FFF              FFF
RRR         RRR  UUUUUUUUUUUUUUU  NNN         NNN     000000000     FFF              FFF
```

FILEID**SUBPAG

```
  SSSSSSSS  UU      UU  BBBBBBBB    PPPPPPPP      AAAAAA      GGGGGGGG
  SSSSSSSS  UU      UU  BBBBBBBB    PPPPPPPP      AAAAAA      GGGGGGGG
SS          UU      UU  BB      BB  PP      PP  AA      AA  GG
SS          UU      UU  BB      BB  PP      PP  AA      AA  GG
SS          UU      UU  BB      BB  PP      PP  AA      AA  GG
SS          UU      UU  BB      BB  PP      PP  AA      AA  GG
  SSSSSS    UU      UU  BBBBBBBB    PPPPPPPP    AA      AA  GG
  SSSSSS    UU      UU  BBBBBBBB    PPPPPPPP    AA      AA  GG
        SS  UU      UU  BB      BB  PP          AAAAAAAAAA  GG  GGGGGG
        SS  UU      UU  BB      BB  PP          AAAAAAAAAA  GG  GGGGGG
        SS  UU      UU  BB      BB  PP          AA      AA  GG      GG      ....
        SS  UU      UU  BB      BB  PP          AA      AA  GG      GG      ....
SSSSSSSS    UUUUUUUUUU  BBBBBBBB    PP          AA      AA    GGGGGG        ....
SSSSSSSS    UUUUUUUUUU  BBBBBBBB    PP          AA      AA    GGGGGG        ....


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
```

```
0 %TITLE 'Process .[END ] SUBPAGE directives'
0 MODULE SUBPAG (
0                 IDENT = 'V04-000'
P 0 %BLISS32[,
P 0         ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE,NONEXTERNAL=LONG_RELATIVE)
0           ]
0                 ) =
1 BEGIN
1 !
1 !*****************************************************************************
1 !*                                                                           *
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1 !*                                                                           *
1 !*                                                                           *
1 !*****************************************************************************
1 !
1 !++
1 ! FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
1 !
1 ! ABSTRACT: Processes the following commands:
1 !                 .END SUBPAGE            .SUBPAGE
1 !
1 !
1 ! ENVIRONMENT: Transportable
1 !
1 ! AUTHOR: R.W.Friday     CREATION DATE: November, 1978
1 !
```

```
;   45   0044  1 %SBTTL 'Revision History'
;   46   0045  1 !
;   47   0046  1 ! MODIFIED BY:
;   48   0047  1 !
;   49   0048  1 !        005     REM00005        Ray Marshall    07-Mar-1983
;   50   0049  1 !                Global edit of all modules. Updated module names, idents,
;   51   0050  1 !                copyright dates. Changed require files to BLISS library.
;   52   0051  1 !
;   53   0052  1 !--
```

```
  0053  1 %SBTTL 'Module Level Declarations'
  0054  1 !
  0055  1 ! TABLE OF CONTENTS:
  0056  1 !
  0057  1 !
  0058  1 ! INCLUDE FILES:
  0059  1 !
  0060  1
  0061  1 LIBRARY 'NXPORT:XPORT';                    ! XPORT Library
  0062  1 REQUIRE 'REQ:RNODEF';                      ! RUNOFF variant definitions
  0193  1
U 0194  1 %IF DSRPLUS %THEN
U 0195  1 LIBRARY 'REQ:DPLLIB';                      ! DSRPLUS BLISS Library
  0196  1 %ELSE
  0197  1 LIBRARY 'REQ:DSRLIB';                      ! DSR BLISS Library
  0198  1 %FI
  0199  1
  0200  1 !
  0201  1 ! MACROS:
  0202  1 !
  0203  1 !
  0204  1 ! EQUATED SYMBOLS:
  0205  1 !
  0206  1 !
  0207  1 ! OWN STORAGE:
  0208  1 !
  0209  1 !
  0210  1 ! EXTERNAL REFERENCES:
  0211  1 !
  0212  1
  0213  1 EXTERNAL
  0214  1     NPAGEN : PAGE_DEFINITION,
  0215  1     PAGEN : PAGE_DEFINITION,
  0216  1     PHAN : PHAN_DEFINITION;
  0217  1
  0218  1 EXTERNAL ROUTINE
  0219  1     GCPAGE,
  0220  1     OUTCRG;
  0221  1
```


0000

```
;   95   0222  1 %SBTTL 'SUBPAG  --'
;   96   0223  1 GLOBAL ROUTINE subpag (handler_code) : NOVALUE =
;   97   0224  1
;   98   0225  1 !++
;   99   0226  1 ! FUNCTIONAL DESCRIPTION:
;  100   0227  1 !
;  101   0228  1 !       See ABSTRACT, above.
;  102   0229  1 !
;  103   0230  1 ! FORMAL PARAMETERS:
;  104   0231  1 !
;  105   0232  1 !       Handler_code specifies which command is to be processed.
;  106   0233  1 !
;  107   0234  1 ! IMPLICIT INPUTS:      None
;  108   0235  1 !
;  109   0236  1 ! IMPLICIT OUTPUTS:     None
;  110   0237  1 !
;  111   0238  1 ! ROUTINE VALUE:
;  112   0239  1 ! COMPLETION CODES:     None
;  113   0240  1 !
;  114   0241  1 ! SIDE EFFECTS:         None
;  115   0242  1 !
;  116   0243  1 !--
;  117   0244  1
;  118   0245  2     BEGIN
;  119   0246  2
;  120   0247  2     SELECTONE .HANDLER_CODE OF
;  121   0248  2         SET
;  122   0249  2
;  123   0250  2         [H_SUBPAGE] :
;  124   0251  3             BEGIN
;  125   0252  3             GCPAGE ();                          !Generate code for a new page;
;  126   0253  3             OUTCRG ();                          !Force top of page.
;  127   0254  3
;  128   0255  3             IF  .NPAGEN [SCT_SUB_PAGE] EQL 0  THEN  ! If not already turned on,
;  129   0256  4                 BEGIN                           ! turn on subpaging
;  130   0257  4                 NPAGEN [SCT_SUB_PAGE] = 1;      !1 is 'A' in binary.
;  131   0258  4                 NPAGEN [SCT_PAGE] = .PAGEN [SCT_PAGE];
;  132   0259  3                 END;
;  133   0260  3
;  134   0261  3             !If at the top of the document, start subpaging immediately
;  135   0262  3             IF  .PHAN_TOP_FIRST  THEN
;  136   0263  4                 BEGIN
;  137   0264  4                 PAGEN [SCT_SUB_PAGE] = .NPAGEN [SCT_SUB_PAGE];
;  138   0265  4                 NPAGEN [SCT_SUB_PAGE] = .NPAGEN [SCT_SUB_PAGE] + 1;
;  139   0266  3                 END;
;  140   0267  3
;  141   0268  3             RETURN;
;  142   0269  2             END;
;  143   0270  2
;  144   0271  2         [H_END_SUBPAGE] :
;  145   0272  3             BEGIN
;  146   0273  3             GCPAGE ();                          !Generate code for a new page;
;  147   0274  3             OUTCRG ();                          !Force to top of new page.
;  148   0275  3             !Do not clear subpage counter yet -- until the page number
;  149   0276  3             ! is actually put out (version 1.124e).
;  150   0277  3 !!!         PAGEN [SCT_SUB_PAGE] = 0;           !Clear subpage counter.
;  151   0278  3             NPAGEN [SCT_SUB_PAGE] = 0;          !...
```

```
;  152          0279  3            NPAGEN [SCT_PAGE] = .PAGEN [SCT_PAGE] + 1;!...
;  153          0280  3            RETURN;
;  154          0281  2            END;
;  155          0282  2        TES;
;  156          0283  2
;  157          0284  1    END;                                        !Erd of SUBPAG


                                                        .TITLE  SUBPAG Process .[END ] SUBPAGE directives
                                                        .IDENT  \V04-000\

                                                        .EXTRN  NPAGEN, PAGEN, PHAN
                                                        .EXTRN  GCPAGE, OUTCRG

                                                        .PSECT  $CODE$,NOWRT,2

                                   003C 00000           .ENTRY  SUBPAG, Save R2,R3,R4,R5                    ; 0223
                 55 00000000G  EF   9E 00002            MOVAB   GCPAGE, R5                                  ;
                 54 00000000G  EF   9E 00009            MOVAB   OUTCRG, R4                                  ;
                 53 00000000G  EF   9E 00010            MOVAB   PAGEN+8, R3                                 ;
                 52 00000000G  EF   9E 00017            MOVAB   NPAGEN, R2                                  ;
                 50        04  AC   D0 0001E            MOVL    HANDLER_CODE, R0                            ; 0247
000000C8         8F            50   D1 00022            CMPL    R0, #200                                    ; 0250
                               23   12 00029            BNEQ    2$                                          ;
                 65            00   FB 0002B            CALLS   #0, GCPAGE                                  ; 0252
                 64            00   FB 0002E            CALLS   #0, OUTCRG                                  ; 0253
                           02  A2   B5 00031            TSTW    NPAGEN+2                                    ; 0255
                               08   12 00034            BNEQ    1$                                          ;
           02    A2            01   B0 00036            MOVW    #1, NPAGEN+2                                ; 0257
           08    A2            63   D0 0003A            MOVL    PAGEN+8, NPAGEN+8                           ; 0258
                 1C 00000000G  EF   E9 0003E 1$:        BLBC    PHAN+24, 3$                                 ; 0262
           FA    A3        02  A2   B0 00045            MOVW    NPAGEN+2, PAGEN+2                           ; 0264
                           02  A2   B6 0004A            INCW    NPAGEN+2                                    ; 0265
                                    04 0004D            RET                                                 ; 0251
                 3F            50   D1 0004F 2$:        CMPL    R0, #63                                     ; 0271
                               0E   12 00051            BNEQ    3$                                          ;
                 65            00   FB 00053            CALLS   #0, GCPAGE                                  ; 0273
                 64            00   FB 00056            CALLS   #0, OUTCRG                                  ; 0274
                           02  A2   B4 00059            CLRW    NPAGEN+2                                    ; 0278
       08    A2            63   01   C1 0005C            ADDL3   #1, PAGEN+8, NPAGEN+8                       ; 0279
                                    04 00061 3$:        RET                                                 ; 0284

; Routine Size:  98 bytes,    Routine Base:  $CODE$ + 0000

;  158          0285  1
;  159          0286  1 END                                          !End of module
;  160          0287  0 ELUDOM



;                                   PSECT SUMMARY
;
;       Name                      Bytes                       Attributes
```

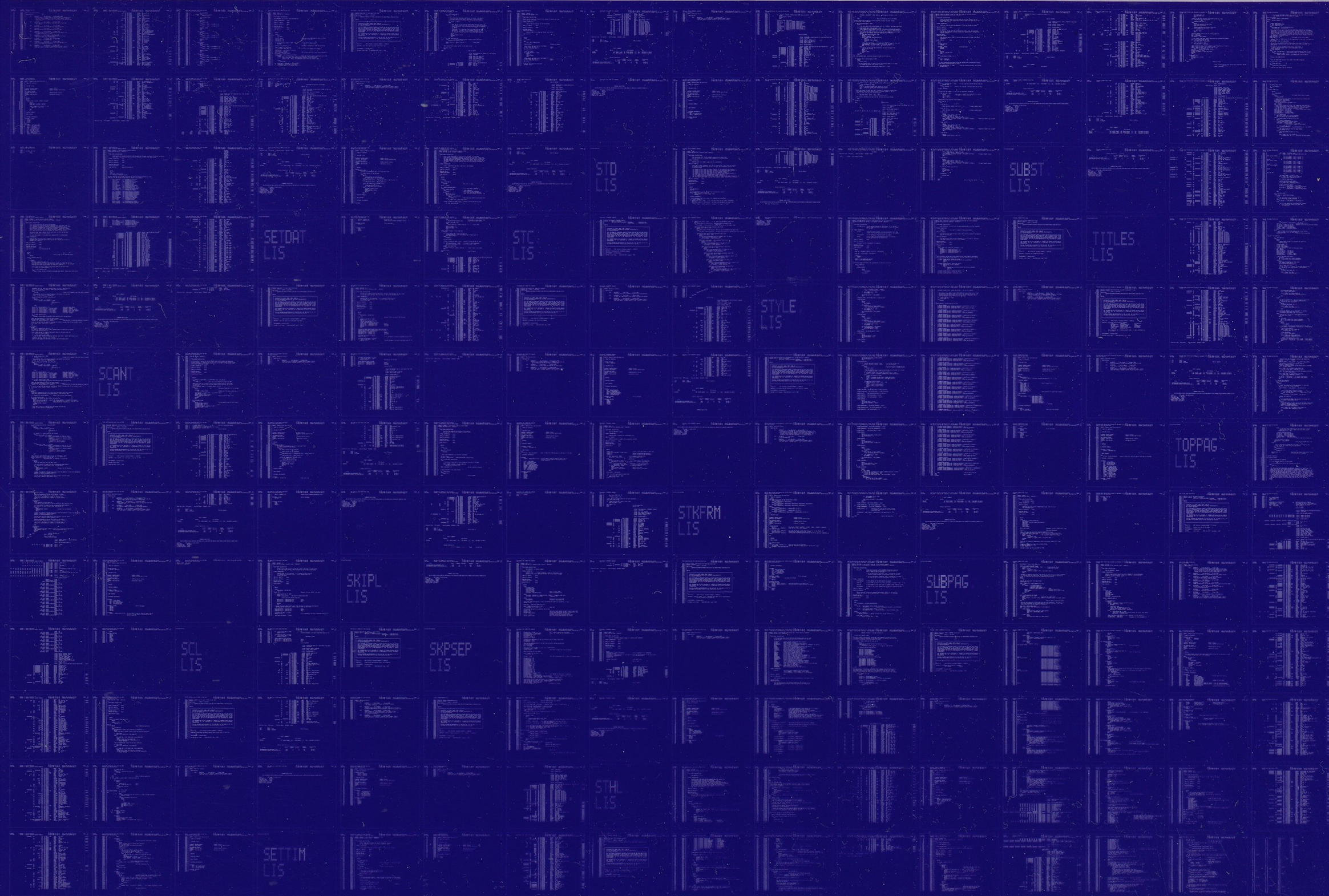
```
;
;  $CODE$                          98  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)


;                              Library Statistics
;
;                                        -------- Symbols --------      Pages       Processing
;       File                             Total    Loaded   Percent      Mapped      Time
;
;  _$255$DUA28:[SYSLIB]XPORT.L32;1         590        0         0        252        00:00.1
;  _$255$DUA28:[RUNOFF.SRC]DSRLIB.L32;1   1248        8         0         86        00:00.3




;                                     COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:SUBPAG/OBJ=OBJ$:SUBPAG MSRC$:SUBPAG/UPDATE=(ENH$:SUBPAG)

; Size:          98 code + 0 data bytes
; Run Time:         00:03.4
; Elapsed Time:     00:12.4
; Lines/CPU Min:     5125
; Lexemes/CPU-Min: 15178
; Memory Used:  35 pages
; Compilation Complete
```

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