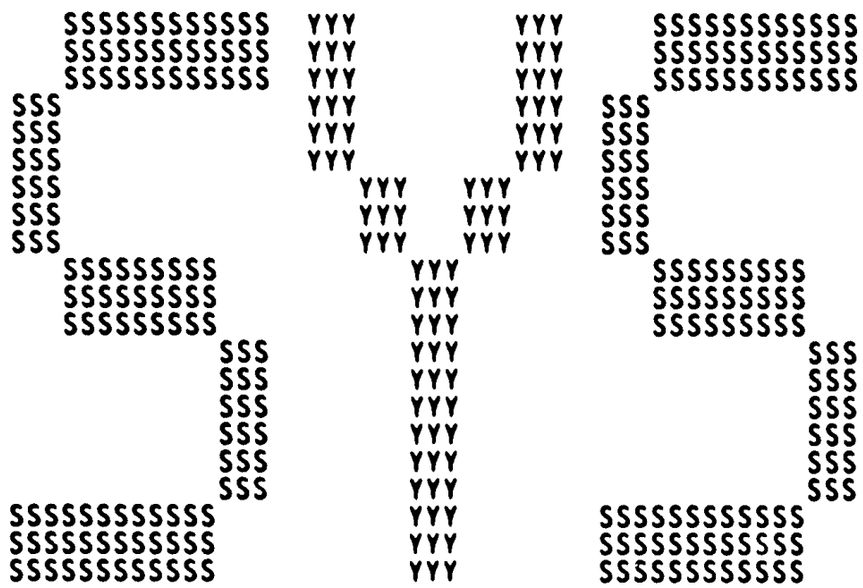

FILEID**NULLPROC

```
NN      NN  UU      UU  LL          LL          PPPPPPPP    RRRRRRRR      000000      CCCCCCCC
NN      NN  UU      UU  LL          LL          PPPPPPPP    RRRRRRRR      000000      CCCCCCCC
NN      NN  UU      UU  LL          LL          PP      PP  RR      RR  00      00  CC
NN      NN  UU      UU  LL          LL          PP      PP  RR      RR  00      00  CC
NNNN    NN  UU      UU  LL          LL          PP      PP  RR      RR  00      00  CC
NNNN    NN  UU      UU  LL          LL          PP      PP  RR      RR  00      00  CC
NN  NN  NN  UU      UU  LL          LL          PPPPPPPP    RRRRRRRR    00      00  CC
NN  NN  NN  UU      UU  LL          LL          PPPPPPPP    RRRRRRRR    00      00  CC
NN    NNNN  UU      UU  LL          LL          PP          RR  RR      00      00  CC
NN    NNNN  UU      UU  LL          LL          PP          RR  RR      00      00  CC
NN      NN  UU      UU  LL          LL          PP          RR    RR    00      00  CC              ....
NN      NN  UU      UU  LL          LL          PP          RR    RR    00      00  CC              ....
NN      NN  UUUUUUUUUU  LLLLLLLLLL  LLLLLLLLLL  PP          RR      RR    000000      CCCCCCCC    ....
NN      NN  UUUUUUUUUU  LLLLLLLLLL  LLLLLLLLLL  PP          RR      RR    000000      CCCCCCCC    ....


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
0000     2          .TITLE  NULLPROC NULL PROCESS CODE
0000     3          .IDENT  'V04-000'
0000     4
0000     5  ;
0000     6  ;*****************************************************************************
0000     7  ;*                                                                           *
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0000    25  ;*                                                                           *
0000    26  ;*                                                                           *
0000    27  ;*****************************************************************************
0000    28
0000    29  ;++
0000    30  ; FACILITY: EXECUTIVE, SCHEDULER
0000    31  ;
0000    32  ; ABSTRACT: NULLPROC CONTAINS THE MAIN CODE FOR THE NULL
0000    33  ;           PROCESS WHICH ABSORBS ALL EXCESS PROCESSOR TIME.
0000    34  ;
0000    35  ; ENVIRONMENT:
0000    36  ;
0000    37  ; AUTHOR: R. HUSTVEDT    CREATION DATE: 30-NOV-76
0000    38  ;
0000    39  ; MODIFIED BY:
0000    40  ;
0000    41  ;       VERSION  ,
0000    42  ; 01    -
0000    43  ;--
```

```
0000     45          .SBTTL  DECLARATIONS
0000     46 ;
0000     47 ; INCLUDE FILES:
0000     48 ;
0000     49          $PRDEF                                  ; DEFINE PROCESSOR REGISTERS
0000     50
0000     51 ;
0000     52 ; MACROS:
0000     53 ;
0000     54
0000     55 ;
0000     56 ; EQUATED SYMBOLS:
0000     57 ;
0000     58
0000     59 ;
0000     60 ; OWN STORAGE:
0000     61 ;
0000     62
```

```
                     64          .SBTTL  EXE$NULLPROC - NULL PROCESS
                     65 ;++
                     66 ; FUNCTIONAL DESCRIPTION:
                     67 ;       EXE$NULLPROC CONTAINS THE CODE EXECUTED ONLY WHEN NO OTHER
                     68 ;       PROCESS REQUIRES PROCESSOR TIME.  THE CUMULATIVE EXECUTION
                     69 ;       TIME FOR THE NULL PROCESS REPRESENTS THE SYSTEM IDLE TIME.
                     70 ;       THE REASON FOR BEING IDLE IS DETERMINED BY THE NULL PROCESS
                     71 ;       AND A CORRESPONDING COUNTER INCREMENTED.  THIS SET OF COUNTERS
                     72 ;       CAN BE USED TO DETERMINE THE TIME SPENT IN EACH POSSIBLE
                     73 ;       IDLE STATE.
                     74 ;
                     75 ; CALLING SEQUENCE:
                     76 ;       NONE
                     77 ;
                     78 ; INPUT PARAMETERS:
                     79 ;       NONE
                     80 ;
                     81 ; IMPLICIT INPUTS:
                     82 ;       NONE
                     83 ;
                     84 ; OUTPUT PARAMETERS:
                     85 ;       NONE
                     86 ;
                     87 ; IMPLICIT OUTPUTS:
                     88 ;       NONE
                     89 ;
                     90 ; COMPLETION CODES:
                     91 ;       NONE
                     92 ;
                     93 ; SIDE EFFECTS:
                     94 ;       NONE
                     95 ;
                     96 ;--
                     97
                     98 EXE$NULLPROC::                          ; NULL PROCESS ENTRY
                     99 10$:                                    ;
FE    11             100          BRB     10$                  ; **** TEMP ****
                    101
                    102          .END
```

EXE$NULLPROC 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
. BLANK .	00000002 (2.)	01 (1.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
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	00:00:00.07	00:00:01.62
Command processing	110	00:00:00.56	00:00:04.25
Pass 1	129	00:00:01.11	00:00:05.16
Symbol table sort	0	00:00:00.06	00:00:00.07
Pass 2	34	00:00:00.32	00:00:00.93
Symbol table output	1	00:00:00.01	00:00:00.01
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	307	00:00:02.16	00:00:12.07

The working set limit was 1050 pages.
4887 bytes (10 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 81 non-local and 1 local symbols.
102 source lines were read in Pass 1, producing 12 object records in Pass 2.
8 pages of virtual memory were used to define 7 macros.

Macro library statistics

Macro library name	Macros defined
_255DUA28:[SYS.OBJ]LIB.MLB;1	0
_255DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	4

139 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

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