


```

PPPPPPPP      AAAAAA      SSSSSSSS      CCCCCCCC      LL      000000      CCCCCCCC      KK      KK      222222
PPPPPPPP      AAAAAA      SSSSSSSS      CCCCCCCC      LL      000000      CCCCCCCC      KK      KK      222222
PP      PP      AA      AA      SS      CC      LL      00      00      CC      KK      KK      22      22
PP      PP      AA      AA      SS      CC      LL      00      00      CC      KK      KK      22      22
PP      PP      AA      AA      SS      CC      LL      00      00      CC      KK      KK      22      22
PPPPPPPP      AA      AA      SSSSSS      CC      LL      00      00      CC      KKKKKK      22
PPPPPPPP      AA      AA      SSSSSS      CC      LL      00      00      CC      KKKKKK      22
PP      AAAAAAAAAA      SS      CC      LL      00      00      CC      KK      KK      22
PP      AAAAAAAAAA      SS      CC      LL      00      00      CC      KK      KK      22
PP      AA      AA      SS      CC      LL      00      00      CC      KK      KK      22
PP      AA      AA      SS      CC      LL      00      00      CC      KK      KK      22
PP      AA      AA      SSSSSSSS      CCCCCCCC      LLLLLLLLLL      000000      CCCCCCCC      KK      KK      2222222222
PP      AA      AA      SSSSSSSS      CCCCCCCC      LLLLLLLLLL      000000      CCCCCCCC      KK      KK      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
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```

:
:
:

(2) 47
(3) 80

DECLARATIONS
PASSCLOCK2 - Return process CPU time in msec

.....

```
0000 1 .TITLE PASSCLOCK2 - Return process CPU time in msec
0000 2 .IDENT /1-002/ ; File: PASCLOCK2.MAR Edit: DG1002
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: Pascal Language Support
0000 31 :
0000 32 : ABSTRACT:
0000 33 :
0000 34 : This module contains PASSCLOCK2 which implements the Pascal
0000 35 : CLOCK function.
0000 36 :
0000 37 : ENVIRONMENT: User mode, AST Reentrant
0000 38 :
0000 39 : AUTHOR: Steven B. Lionel, CREATION DATE: 6-July-1981
0000 40 :
0000 41 : MODIFIED BY:
0000 42 :
0000 43 : 1-001 - Original. SBL 6-July-1981
0000 44 : 1-002 - Use $GETJPIW to ensure synchronous operation. DG 31-Oct-1983
0000 45 :--
```

```
0000 47 .SBTTL DECLARATIONS
0000 48 :
0000 49 : LIBRARY MACRO CALLS:
0000 50 :
0000 51 :
0000 52 $JPIDEF ; JPIS_ symbols
0000 53 :
0000 54 :
0000 55 : EXTERNAL DECLARATIONS:
0000 56 :
0000 57 .DSABL GBL ; Force all external symbols to be declared
0000 58 .EXTRN LIB$GET EF ; Get event flag number
0000 59 .EXTRN LIB$FREE EF ; Free event flag number
0000 60 .EXTRN LIB$SIGNAL ; Signal error
0000 61 :
0000 62 : MACROS:
0000 63 :
0000 64 : NONE
0000 65 :
0000 66 : EQUATED SYMBOLS:
0000 67 :
0000 68 : NONE
0000 69 :
0000 70 : OWN STORAGE:
0000 71 :
0000 72 : NONE
0000 73 :
0000 74 : PSECT DECLARATIONS:
0000 75 :
00000000 76 .PSECT _PASSCODE PIC, USR, CON, REL, LCL, SHR, -
0000 77 EXE, RD, NOWRT, LONG
0000 78
```



```
00000000'GF 50 DD 004C 137  
01 FB 004C 138 RET ; Return to caller  
50 D4 004D 139  
04 004D 140 ;+  
004D 141 ; Come here with error code in R0 if LIB$GET_EF or $GETJPI fails.  
004D 142 ;-  
DD 004D 143 ERROR: PUSHL R0 ; Signal error status  
FB 004F 144 CALLS #1, G^LIB$SIGNAL  
D4 0056 145 CLRL R0 ; Return zero if continue  
04 0058 146 RET ; Return to caller  
0059 147  
0059 148 .END ; End of module PASSCLOCK2
```

```

$ST1 = 00000001
ERROR = 0000004D R 02
JPIS_CPUTIM = 00000407
LIB$FREE_EF ***** X 00
LIB$GET_EF ***** X 00
LIB$SIGNAL ***** X 00
PASSCLOCK2 00000000 RG 02
SYSS$GETJPIW ***** G 02
    
```

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
_PASSCODE	00000059 (89.)	02 (2.)	PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	10	00:00:00.08	00:00:00.50
Command processing	70	00:00:00.63	00:00:04.34
Pass 1	114	00:00:01.71	00:00:06.73
Symbol table sort	0	00:00:00.11	00:00:00.85
Pass 2	40	00:00:00.44	00:00:02.21
Symbol table output	2	00:00:00.02	00:00:00.02
Psect synopsis output	3	00:00:00.02	00:00:00.06
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	241	00:00:03.02	00:00:14.72

The working set limit was 900 pages.
7442 bytes (15 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 116 non-local and 0 local symbols.
148 source lines were read in Pass 1, producing 13 object records in Pass 2.
11 pages of virtual memory were used to define 10 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	7

200 GETS were required to define 7 macros.

There were no errors, warnings or information messages.

MACRO_ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:PASSCLOCK2/OBJ=OBJ\$:PASSCLOCK2 MSRC\$:PASSCLOCK2/UPDATE=(ENH\$:PASSCLOCK2)

