

TEST OF CODE IN SUBPROC  
STORAGE ALLOCATION.

COMPASS - VER 2.

11/16/70 12.00.00.

PAGE 36

ADDRESS LENGTH

0 3042  
3042

BINARY CONTROL CARDS.

IDENT TSUBP2  
END

| BLOCKS   | TYPE  | ADDRESS | LENGTH |
|----------|-------|---------|--------|
| PROGRAM# | LOCAL | 0       | 544    |
| PARAS    | LOCAL | 544     | 730    |
| CHARS    | LOCAL | 1474    | 237    |
| CODE     | LOCAL | 1733    | 1107   |

ENTRY POINTS.

TSUBP2 = 0 TEST2 = 0

EXTERNAL SYMBOLS.

| ASTORE | REFSAVE | MAKEC  | BEGSPA | MASK    | XPACK | TEMP |
|--------|---------|--------|--------|---------|-------|------|
| BSTORE | TESTN   | SUBSIZ | CVTOUT | TYPEOUT | START |      |
| CSTORE | SNOOP   | RIGBUF | ERRJP  | PACK    | ERR   |      |

|     | IDENT   | TSUBP2               |
|-----|---------|----------------------|
|     |         | BOOKKEEPING          |
|     | *       |                      |
|     | *       |                      |
|     | *       |                      |
| 0   | TMACROS | XTEXT                |
| 0   | MACROS1 | XTEXT                |
| 0   | OPNAMES | XTEXT                |
| 0   | CLIST   | XTEXT                |
|     | ENTRY   | TSUBP2,TEST2         |
|     | EYT     | ASTORE,BSTORE,CSTORE |
| 0 + | TSUBP2  | *                    |
| 0 + | TEST2   | *                    |
|     | EQU     |                      |

```

*
*
* MAKE A NEW OPER TO CALL SUBPA
*
12
WORDS SET 10 SUPPOSED TO BE BIF ENUF TO DUMP THE OPER
544 000000000000000000027 DOPER C.MKOPR,K.MALL OC,K.CALLA2,0,K.SUBPA,9
552 000000000000000000107 OP10 TOPER 1,,,C.DISPOP,K.CALLA2,=XTEMP+1,100
21 0130000607 * DUMP =XTEMP,WORDS
613 000000000000000000034 OP11 TOPER 1,,,C.UDAT,K.CALLA2,0
647 000000000000000000034 DOPER C.UDAT,K.CALLA2,1
652 000000000000000000034 DOPER C.UDAT,K.CALLA2,2
0
WORDS SET 0
655 000000000000000000107 DOPER C.DISPOP,K.CALLA2,=XTEMP+1,100
56 0130000661 * DUMP =XTEMP,WORDS
665 000000000000000000036 OP12 TOPER 1,,,C.ACAP,K.CALLA2,3
721 000000000000000000107 DOPER C.DISPOP,K.CALLA2,=XTEMP+1,100
105 0130000725 * DUMP =XTEMP,WORDS
731 000000000000000000035 OP13 TOPER 1,,,C.UCAP,K.CALLA2,4,16778,52525252B
767 000000000000000000107 DOPER C.DISPOP,K.CALLA2,=XTEMP+1,100
134 0130000773 * DUMP =XTEMP,WORDS
777 000000000000000000034 DOPER C.UDAT,K.CALLA2,5
1002 000000000000000000033 OP14 TOPER 1,,,C.FIXD,K.CALLA2,5,7070707B
1037 000000000000000000107 DOPER C.DISPOP,K.CALLA2,=XTEMP+1,100
166 0130001043 * DUMP =XTEMP,WORDS
1047 000000000000000000035 DOPER C.UCAP,K.CALLA2,5,1737B,0
1054 000000000000000000032 OP15 TOPER 1,,,C.FIXC,K.CALLA2,5,K.SUBPC
1111 000000000000000000107 DOPER C.DISPOP,K.CALLA2,=XTEMP+1,100
220 0130001115 * DUMP =XTEMP,WORDS
1121 000000000000000000105 OP16 TOPER 1,,,C.BDAT,K.CALLA2,5,5
1156 000000000000000000107 DOPER C.DISPOP,K.CALLA2,=XTEMP+1,100
247 0130001162 * DUMP =XTEMP,WORDS
20
WORDS SET 16
1166 000000000000000000106 OP17 TOPER 1,,,C.BLKCAP,K.CALLA2,6,5
1223 000000000000000000107 DOPER C.DISPOP,K.CALLA2,=XTEMP+1,100
276 0130001227 * DUMP =XTEMP,WORDS
*
*
* NOW TRY TO USE THE DAMN OPERATION
*
FIXSUB MACRO
LOCAL RET
DFLAY
DOPER C.WFILE,K.FILE,=XBEGSPA,=XBIGBUF,=XSURSZ
DFLAY
SR7 RET
JP =XMAKEC
RET NO
FIXSUB ENDM
304 6120000144 FIXSUB
1240 000000000000000000205 SP2000 TOPER 1,,,K.CALLC,0,0,8,K.CALLA2,0,0,0,C.RETURN,0,(30/2,30
,/(STORE+1),(30/2,30/CCAP),C.RETURN,0,0,0,0,0,0
CHKSUB MACRO
LOCAL RET
SR7 RET
JP =XSN00P

```

|      |                       |        |         |                                                      |
|------|-----------------------|--------|---------|------------------------------------------------------|
|      |                       | RET    | COMPARE | =XBIGBUF,=XBEQSPA,=XSUBSIZ                           |
|      |                       |        | FIXSUR  |                                                      |
|      |                       | CHKSIB | ENDM    |                                                      |
|      |                       | *      | CHKSIB  |                                                      |
| 1315 | 000000000000000000205 | SP2001 | TAPER   | 1,,,K.CALLC,0,0,R,K.CALLA2,0,0,0,C.RETURN,0,(30/5,30 |
|      |                       |        |         | ,/CSTORE+1),(30,0,30/CCAP),C.RETURN,0,0,0,0,0,0      |
|      |                       | *      | CHKSIB  |                                                      |
| 1372 | 000000000000000000205 | SP2002 | TAPER   | 1,,,K.CALLC,0,0,R,K.CALLA2,0,0,0,C.RETURN,0,(30/0,30 |
|      |                       |        |         | ,/CSTORE+1),(30,5,30/CCAP),C.RETURN,0,0,0,0,0,0      |
| 373  | 6170000374 *          |        | CHKSUR  |                                                      |
|      |                       | 5      | ACAP    | EQU                                                  |
|      |                       | 5      | BCAP    | EQU                                                  |
|      |                       | 5      | CCAP    | EQU                                                  |
|      |                       | 5      | ACAPF   | EQU                                                  |
|      |                       | 17     | BCAPF   | EQU                                                  |
|      |                       | 31     | CCAPF   | EQU                                                  |
| 1464 | 000000000000000000072 |        | DOPER   | C.DELSUB,K.SURPD                                     |
| 1466 | 000000000000000000072 |        | DOPER   | C.DELSUB,K.SURPC                                     |
| 1470 | 000000000000000000072 |        | DOPER   | C.DELSUB,K.SURPB                                     |
| 1472 | 000000000000000000072 |        | DOPER   | C.DELSUB,K.SURPA                                     |
| 452  | 0200000000 X          |        | JP      | =XTESTN                                              |
|      |                       |        | HERE    |                                                      |
| 453  | 000000000000000000016 |        | TRAILFR | SELF                                                 |
| 3042 |                       |        | END     |                                                      |

37276

STORAGE USED  
6600 ASSEMBLY

6555 STATEMENTS  
0.000 SECONDS

587 SYMBOLS  
976 REFERENCES

000415 INVENTED SYMBOLS

TEST OF CODE IN SUBPROC  
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

11/16/70 12.00.00.

PAGE 40

|          |     |           |         |       |       |         |       |       |       |         |
|----------|-----|-----------|---------|-------|-------|---------|-------|-------|-------|---------|
| ACAP     | 5   |           | 39/11 D |       |       |         |       |       |       |         |
| ACAPF    | 5   |           | 39/14 D |       |       |         |       |       |       |         |
| ASTORE   | 0   | EXTERNAL* |         |       |       |         |       |       |       |         |
| BCAP     | 5   |           | 39/12 D |       |       |         |       |       |       |         |
| BCAPF    | 17  |           | 39/15 D |       |       |         |       |       |       |         |
| BEGSPA   | 0   | EXTERNAL* | 38/48   | 39/11 | 39/11 |         |       |       |       |         |
| BIGBUF   | 0   | EXTERNAL* | 38/48   | 39/11 | 39/11 |         |       |       |       |         |
| BSTORE   | 0   | EXTERNAL* |         |       |       |         |       |       |       |         |
| CALLBEAD | 460 | PROGRAM*  | 38/07   | 38/09 | 38/18 | 38/22   | 38/29 | 38/33 | 39/07 | 39/10   |
|          |     |           | 38/07   | 38/09 | 38/18 | 38/22   | 38/29 | 38/33 | 39/07 | 39/10   |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/26   | 38/29 | 38/50 | 39/07 | 39/24 L |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/26   | 38/29 | 38/50 | 39/07 |         |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26   | 38/33 | 38/50 | 39/10 |         |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26   | 38/33 | 38/50 | 39/10 |         |
|          |     |           | 38/50   | 39/07 | 39/10 | 39/13 D |       |       |       |         |
| CCAP     | 5   |           | 39/16 D |       |       |         |       |       |       |         |
| CCAPF    | 31  |           | 38/50   | 39/07 | 39/10 |         |       |       |       |         |
| CSTORE   | 0   | EXTERNAL* | 38/08   | 38/17 | 38/24 | 38/31   | 39/11 |       |       |         |
| CVTOUT   | 0   | EXTERNAL* | 38/14   | 38/20 | 38/28 | 38/35   |       |       |       |         |
| C.ACAP   | 36  |           | 38/14   |       |       |         |       |       |       |         |
| C.BDAT   | 105 |           | 38/28   |       |       |         |       |       |       |         |
| C.BLKCAP | 106 |           | 38/32   |       |       |         |       |       |       |         |
| C.DELSUB | 72  |           | 39/17   | 39/18 | 39/19 | 39/20   |       |       |       |         |
| C.DISPOP | 107 |           | 38/06   | 38/12 | 38/15 | 38/18   | 38/22 | 38/26 | 38/29 | 38/33   |
| C.ESMLOC | 26  |           | 38/07   | 38/15 | 38/22 | 38/29   | 38/50 | 39/10 |       |         |
|          |     |           | 38/09   | 38/18 | 38/26 | 38/33   | 39/07 |       |       |         |
| C.FIXC   | 32  |           | 38/25   |       |       |         |       |       |       |         |
| C.FIXD   | 33  |           | 38/21   |       |       |         |       |       |       |         |
| C.JUMP   | 52  |           | 38/07   | 38/15 | 38/22 | 38/29   | 38/50 | 39/10 |       |         |
|          |     |           | 38/09   | 38/18 | 38/26 | 38/33   | 39/07 |       |       |         |
| C.MKOPR  | 27  |           | 38/05   |       |       |         |       |       |       |         |
| C.MODPC  | 65  |           | 38/07   | 38/15 | 38/22 | 38/29   | 38/50 | 39/10 |       |         |
|          |     |           | 38/09   | 38/18 | 38/26 | 38/33   | 39/07 |       |       |         |
| C.RESTOR | 17  |           | 38/07   | 38/09 | 38/17 | 38/22   | 38/26 | 38/33 | 38/50 | 39/10   |
|          |     |           | 38/07   | 38/09 | 38/18 | 38/22   | 38/28 | 38/33 | 38/50 | 39/10   |
|          |     |           | 38/07   | 38/14 | 38/18 | 38/22   | 38/29 | 38/33 | 39/07 | 39/10   |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/24   | 38/29 | 38/33 | 39/07 | 39/11   |
|          |     |           | 38/08   | 38/15 | 38/18 | 38/26   | 38/29 | 38/35 | 39/07 | 39/11   |
|          |     |           | 38/09   | 38/15 | 38/20 | 38/26   | 38/29 | 38/50 | 39/07 | 39/24   |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26   | 38/31 | 38/50 | 39/10 |         |
| C.RETURN | 30  |           | 38/50   | 38/50 | 39/07 | 39/07   | 39/10 | 39/10 | 39/24 |         |
| C.RFILE  | 3   |           | 39/24   |       |       |         |       |       |       |         |
| C.SAVE   | 16  |           | 38/07   | 38/09 | 38/17 | 38/22   | 38/26 | 38/33 | 38/50 | 39/10   |
|          |     |           | 38/07   | 38/09 | 38/18 | 38/22   | 38/28 | 38/33 | 38/50 | 39/10   |
|          |     |           | 38/07   | 38/14 | 38/18 | 38/22   | 38/29 | 38/33 | 39/07 | 39/10   |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/24   | 38/29 | 38/33 | 39/07 | 39/11   |
|          |     |           | 38/08   | 38/15 | 38/18 | 38/26   | 38/29 | 38/35 | 39/07 | 39/11   |
|          |     |           | 38/09   | 38/15 | 38/20 | 38/26   | 38/29 | 38/50 | 39/07 | 39/23   |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26   | 38/31 | 38/50 | 39/10 |         |
| C.UCAP   | 35  |           | 38/17   | 38/24 |       |         |       |       |       |         |
| C.UDAT   | 34  |           | 38/08   | 38/09 | 38/10 | 38/20   |       |       |       |         |
| C.WFILE  | 4   |           | 38/48   | 39/11 |       |         |       |       |       |         |

TEST OF CODE IN SUBPROC  
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

11/16/70 12.00.00.

PAGE 41

|          |     |           |         |       |       |       |       |       |       |       |
|----------|-----|-----------|---------|-------|-------|-------|-------|-------|-------|-------|
| ERR      | 0   | EXTERNAL* | 38/06   | 38/09 | 38/15 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/09 | 38/16 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/09 | 38/17 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/09 | 38/17 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/09 | 38/18 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/09 | 38/18 | 38/22 | 38/27 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/09 | 38/18 | 38/22 | 38/28 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/09 | 38/18 | 38/22 | 38/28 | 38/33 | 38/50 | 39/10 |
|          |     |           | 38/07   | 38/10 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|          |     |           | 38/07   | 38/11 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|          |     |           | 38/07   | 38/13 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|          |     |           | 38/07   | 38/14 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|          |     |           | 38/07   | 38/14 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|          |     |           | 38/07   | 38/14 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/23 | 38/29 | 38/33 | 39/07 | 39/11 |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/24 | 38/29 | 38/33 | 39/07 | 39/11 |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/24 | 38/29 | 38/33 | 39/07 | 39/11 |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/25 | 38/29 | 38/34 | 39/07 | 39/11 |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/26 | 38/29 | 38/35 | 39/07 | 39/11 |
|          |     |           | 38/08   | 38/15 | 38/18 | 38/26 | 38/29 | 38/35 | 39/07 | 39/11 |
|          |     |           | 38/08   | 38/15 | 38/18 | 38/26 | 38/29 | 38/48 | 39/07 | 39/19 |
|          |     |           | 38/09   | 38/15 | 38/18 | 38/26 | 38/29 | 38/50 | 39/07 | 39/20 |
|          |     |           | 38/09   | 38/15 | 38/19 | 38/26 | 38/29 | 38/50 | 39/07 | 39/21 |
|          |     |           | 38/09   | 38/15 | 38/20 | 38/26 | 38/29 | 38/50 | 39/07 |       |
|          |     |           | 38/09   | 38/15 | 38/20 | 38/26 | 38/29 | 38/50 | 39/07 |       |
|          |     |           | 38/09   | 38/15 | 38/21 | 38/26 | 38/29 | 38/50 | 39/07 |       |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26 | 38/30 | 38/50 | 39/10 |       |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26 | 38/31 | 38/50 | 39/10 |       |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26 | 38/31 | 38/50 | 39/10 |       |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |       |
| ERRJP    | 0   | EXTERNAL* | 38/07   | 38/15 | 38/22 | 38/29 | 38/50 | 39/10 |       |       |
|          |     |           | 38/09   | 38/18 | 38/26 | 38/33 | 39/07 |       |       |       |
| K.BEAD   | 146 |           | 39/24   |       |       |       |       |       |       |       |
| K.CALLA2 | 207 |           | 38/06   | 38/10 | 38/15 | 38/19 | 38/23 | 38/27 | 38/33 | 39/07 |
|          |     |           | 38/07   | 38/11 | 38/16 | 38/21 | 38/25 | 38/29 | 38/34 | 39/10 |
|          |     |           | 38/09   | 38/13 | 38/18 | 38/22 | 38/26 | 38/30 | 38/50 |       |
| K.CALLC  | 205 |           | 38/48   | 39/05 | 39/08 |       |       |       |       |       |
| K.FILE   | 151 |           | 38/48   | 39/11 | 39/24 |       |       |       |       |       |
| K.MALLOC | 145 |           | 38/06   |       |       |       |       |       |       |       |
| K.SELF   | 150 |           | 38/07   | 38/09 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|          |     |           | 38/07   | 38/15 | 38/18 | 38/26 | 38/29 | 38/50 | 39/07 |       |
|          |     |           | 38/09   | 38/15 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |       |
| K.SUBPA  | 173 |           | 38/06   | 39/21 |       |       |       |       |       |       |
| K.SUBPB  | 174 |           | 39/20   |       |       |       |       |       |       |       |
| K.SUBPC  | 175 |           | 38/26   | 39/19 |       |       |       |       |       |       |
| K.SUBPD  | 176 |           | 39/18   |       |       |       |       |       |       |       |
| MAKEC    | 0   | EXTERNAL* | 38/48   | 39/11 |       |       |       |       |       |       |
| MASK     | 0   | EXTERNAL* | 38/07   | 38/15 | 38/22 | 38/29 | 38/50 | 39/10 |       |       |
|          |     |           | 38/09   | 38/18 | 38/26 | 38/33 | 39/07 |       |       |       |
| NEWBLK   | 466 | PROGRAM*  | 39/24 L |       |       |       |       |       |       |       |
| OP10     | 3   | PROGRAM*  | 38/07 L | 38/07 |       |       |       |       |       |       |
| OP11     | 27  | PROGRAM*  | 38/09 L | 38/09 |       |       |       |       |       |       |
| OP12     | 64  | PROGRAM*  | 38/15 L | 38/15 |       |       |       |       |       |       |
| OP13     | 113 | PROGRAM*  | 38/18 L | 38/18 |       |       |       |       |       |       |

TEST OF CODE IN SURPROC  
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

11/16/70 12.00.00.

PAGE 42

|          |     |           |         |         |         |         |         |         |         |         |  |
|----------|-----|-----------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| OP14     | 145 | PROGRAM*  | 38/22 L | 38/22   |         |         |         |         |         |         |  |
| OP15     | 177 | PROGRAM*  | 38/26 L | 38/26   |         |         |         |         |         |         |  |
| OP16     | 226 | PROGRAM*  | 38/29 L | 38/29   |         |         |         |         |         |         |  |
| OP17     | 255 | PROGRAM*  | 38/33 L | 38/33   |         |         |         |         |         |         |  |
| PACK     | 0   | EXTERNAL* | 38/07   | 38/09   | 38/18   | 38/22   | 38/29   | 38/33   | 39/07   | 39/10   |  |
|          |     |           | 38/07   | 38/09   | 38/18   | 38/22   | 38/29   | 38/33   | 39/07   | 39/10   |  |
|          |     |           | 38/07   | 38/15   | 38/18   | 38/26   | 38/29   | 38/50   | 39/07   | 39/11   |  |
|          |     |           | 38/07   | 38/15   | 38/18   | 38/26   | 38/29   | 38/50   | 39/07   |         |  |
|          |     |           | 38/09   | 38/15   | 38/22   | 38/26   | 38/33   | 38/50   | 39/10   |         |  |
|          |     |           | 38/09   | 38/15   | 38/22   | 38/26   | 38/33   | 38/50   | 39/10   |         |  |
| READSELF | 461 | PROGRAM*  | 38/24 L |         |         |         |         |         |         |         |  |
| REGSAVE  | 0   | EXTERNAL* | 38/24   | 39/24   |         |         |         |         |         |         |  |
| RESTREG  | 455 | PROGRAM*  | 38/07   | 38/09   | 38/18   | 38/26   | 38/29   | 38/50   | 39/10   |         |  |
|          |     |           | 38/07   | 38/15   | 38/18   | 38/26   | 38/33   | 38/50   | 39/10   |         |  |
|          |     |           | 38/07   | 38/15   | 38/22   | 38/26   | 38/33   | 39/07   | 39/10   |         |  |
|          |     |           | 38/09   | 38/15   | 38/22   | 38/29   | 38/33   | 39/07   | 39/24 L |         |  |
|          |     |           | 38/09   | 38/18   | 38/22   | 38/29   | 38/50   | 39/07   |         |         |  |
| RETURN   | 457 | PROGRAM*  | 38/24 L |         |         |         |         |         |         |         |  |
| SAVEREG  | 453 | PROGRAM*  | 38/07   | 38/09   | 38/18   | 38/26   | 38/29   | 38/50   | 39/10   |         |  |
|          |     |           | 38/07   | 38/15   | 38/18   | 38/26   | 38/33   | 38/50   | 39/10   |         |  |
|          |     |           | 38/07   | 38/15   | 38/22   | 38/26   | 38/33   | 39/07   | 39/10   |         |  |
|          |     |           | 38/09   | 38/15   | 38/22   | 38/29   | 38/33   | 39/07   | 39/23 L |         |  |
|          |     |           | 38/09   | 38/18   | 38/22   | 38/29   | 38/50   | 39/07   |         |         |  |
| SNOOP    | 0   | EXTERNAL* | 39/11   |         |         |         |         |         |         |         |  |
| SP2000   | 321 | PROGRAM*  | 38/50 L | 38/50   |         |         |         |         |         |         |  |
| SP2001   | 337 | PROGRAM*  | 38/07 L | 39/07   |         |         |         |         |         |         |  |
| SP2002   | 355 | PROGRAM*  | 38/10 L | 39/10   |         |         |         |         |         |         |  |
| START    | 0   | EXTERNAL* | 38/07 S | 38/09 S | 38/18 S | 38/22 S | 38/29 S | 38/33 S | 39/07 S | 39/10 S |  |
|          |     |           | 38/07 S | 38/15 S | 38/18 S | 38/26 S | 38/29 S | 38/50 S | 39/07 S | 39/24   |  |
|          |     |           | 38/09 S | 38/15 S | 38/22 S | 38/26 S | 38/33 S | 38/50 S | 39/10 S |         |  |
| SUBSIZ   | 0   | EXTERNAL* | 38/48   | 39/11   | 39/11   |         |         |         |         |         |  |
| TEMP     | 0   | EXTERNAL* | 38/06 S | 38/10 S | 38/17   | 38/22 S | 38/27 S | 38/33 S | 39/07 S | 39/11 S |  |
|          |     |           | 38/07   | 38/11 S | 38/18 S | 38/22 S | 38/28   | 38/33 S | 39/07 S | 39/18 S |  |
|          |     |           | 38/07 S | 38/13   | 38/18 S | 38/23   | 38/29 S | 38/34   | 39/07 S | 39/19 S |  |
|          |     |           | 38/07 S | 38/13 S | 38/18 S | 38/23 S | 38/29 S | 38/34 S | 39/10 S | 39/20 S |  |
|          |     |           | 38/07 S | 38/14   | 38/18 S | 38/24   | 38/29 S | 38/35   | 39/10 S | 39/21 S |  |
|          |     |           | 38/07 S | 38/15 S | 38/19   | 38/25 S | 38/29 S | 38/48 S | 39/10 S |         |  |
|          |     |           | 38/08   | 38/15 S | 38/19 S | 38/26 S | 38/30   | 38/50 S | 39/10 S |         |  |
|          |     |           | 38/09 S | 38/15 S | 38/20   | 38/26 S | 38/30 S | 38/50 S | 39/11 S |         |  |
|          |     |           | 38/09 S | 38/15 S | 38/21 S | 38/26 S | 38/31   | 38/50 S | 39/11 S |         |  |
|          |     |           | 38/09 S | 38/16   | 38/22 S | 38/26 S | 38/33 S | 38/50 S | 39/11 S |         |  |
|          |     |           | 38/09 S | 38/16 S | 38/22 S | 38/27   | 38/33 S | 39/07 S | 39/11   |         |  |
| TESTN    | 0   | EXTERNAL* | 39/21   |         |         |         |         |         |         |         |  |
| TEST2    | 0   | PROGRAM*  | 37/09 E | 37/12 D |         |         |         |         |         |         |  |
| TSUBP2   | 0   | PROGRAM*  | 37/09 E | 37/11 D |         |         |         |         |         |         |  |
| TYPEOUT  | 0   | EXTERNAL* | 38/07   | 38/09   | 38/18   | 38/22   | 38/29   | 38/33   | 39/07   | 39/10   |  |
|          |     |           | 38/07   | 38/09   | 38/18   | 38/22   | 38/29   | 38/33   | 39/07   | 39/10   |  |
|          |     |           | 38/07   | 38/15   | 38/18   | 38/26   | 38/29   | 38/50   | 39/07   | 39/11   |  |
|          |     |           | 38/07   | 38/15   | 38/18   | 38/26   | 38/29   | 38/50   | 39/07   |         |  |
|          |     |           | 38/09   | 38/15   | 38/22   | 38/26   | 38/33   | 38/50   | 39/10   |         |  |
|          |     |           | 38/09   | 38/15   | 38/22   | 38/26   | 38/33   | 38/50   | 39/10   |         |  |
| WORDS    | 20  |           | 38/04 D | 38/11 D | 38/17   | 38/24   | 38/31   | 38/35   |         |         |  |
|          |     |           | 38/08   | 38/14   | 38/20   | 38/28   | 38/31 D |         |         |         |  |

TEST OF CODE IN SUBPROC  
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

11/16/70 12.00.00.

PAGE 43

|       |   |           |       |       |       |       |       |       |       |       |
|-------|---|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| XPACK | 0 | EXTERNAL* | 38/07 | 38/09 | 38/17 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |
|       |   |           | 38/07 | 38/09 | 38/17 | 38/22 | 38/26 | 38/33 | 38/50 | 39/10 |
|       |   |           | 38/07 | 38/09 | 38/18 | 38/22 | 38/28 | 38/33 | 38/50 | 39/10 |
|       |   |           | 38/07 | 38/09 | 38/18 | 38/22 | 38/28 | 38/33 | 38/50 | 39/10 |
|       |   |           | 38/07 | 38/14 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|       |   |           | 38/07 | 38/14 | 38/18 | 38/22 | 38/29 | 38/33 | 39/07 | 39/10 |
|       |   |           | 38/07 | 38/15 | 38/18 | 38/24 | 38/29 | 38/33 | 39/07 | 39/11 |
|       |   |           | 38/07 | 38/15 | 38/18 | 38/24 | 38/29 | 38/33 | 39/07 | 39/11 |
|       |   |           | 38/08 | 38/15 | 38/18 | 38/26 | 38/29 | 38/35 | 39/07 | 39/11 |
|       |   |           | 38/08 | 38/15 | 38/18 | 38/26 | 38/29 | 38/35 | 39/07 | 39/11 |
|       |   |           | 38/09 | 38/15 | 38/20 | 38/26 | 38/29 | 38/50 | 39/07 |       |
|       |   |           | 38/09 | 38/15 | 38/20 | 38/26 | 38/29 | 38/50 | 39/07 |       |
|       |   |           | 38/09 | 38/15 | 38/22 | 38/26 | 38/31 | 38/50 | 39/10 |       |
|       |   |           | 38/09 | 38/15 | 38/22 | 38/26 | 38/31 | 38/50 | 39/10 |       |