```
P0192           THE SUBROUTINE  SIGNMPAC  SETS C(MPAC, MPAC +1) TO SIGN(MPAC).
R0193   FOR THIS, ONLY THE CONTENTS OF MPAC ARE EXAMINED.    ALSO +0 YIELDS POSMAX AND -0 YIELDS NEGMAX.

R0195   ENTRY MAY BE BY EITHER OF THE FOLLOWING'

R0196   1.      LIMIT THE SIZE OF MPAC ON INTERPRETIVE OVERFLOW'
R0197   ENTRY'          BOVB
R0198                       SIGNMPAC

R0199   2.      GENERATE IN MPAC THE SIGNUM FUNCTION OF MPAC'
R0200   ENTRY'          RTB
R0201                       SIGNMPAC

R0202   IN EITHER CASE, RETURN IS TO  THE NEXT INTERPRETIVE INSTRUCTION IN THE CALLING SEQUENCE.

 0204                       22,3707  0 0006 1  SIGNMPAC EXTEND
 0205   REF   2  LAST  353  22,3710  3 4672 0           DCA    DPOSMAX
 0206   REF 769  LAST 1479  22,3711  52 155 1           DXCH   MPAC
 0207   REF 439  LAST 1479  22,3712  10 000 0           CCS    A
 0208   REF 297  LAST 1477  22,3713  3 4714 1  DPMODE   CAF    ZERO          SETS MPAC +2 TO ZERO IN THE PROCESS
 0209   REF   4  LAST 1477  22,3714  1 6026 1           TCF    SLOAD2 +2
 0210                       22,3715  1 3716 0           TCF    +1
 0211                       22,3716  0 0006 1           EXTEND
 0212   REF   3  LAST 1482  22,3717  4 4672 1           DCS    DPOSMAX
 0213   REF   5  LAST 1482  22,3720  1 6024 0           TCF    SLOAD2

R0214       RTB OP CODE NORMUNIT IS LIKE INTERPRETIVE INSTRUCTION UNIT, EXCEPT THAT IT CAN BE DEPENDED ON NOT TO BLOW
R0216   UP WHEN THE VECTOR BEING UNITIZED IS VERY SMALL -- IT WILL BLOW UP WHEN ALL COMPONENTS ARE ZERO.   IF NORMUNIT
R0218   IS USED AND THE UPPER ORDER HALVES OF ALL COMPONENTS ARE ZERO, THE MAGNITUDE RETURNED IN 36D WILL BE TOO LARGE
R0220   BY A FACTOR OF 2(13) AND THE SQUARED MAGNITUDE RETURNED AT 34D WILL BE TOO BIG BY A FACTOR OF 2(26).

 0222   REF 164  LAST 1479  22,3721  3 4712 1  NORMUNX1 CAF    ONE
 02221  REF   1             22,3722  1 3724 1           TCF    NORMUNIT +1
 02222  REF 298  LAST 1482  22,3723  3 4714 1  NORMUNIT CAF    ZERO
 02223  REF  42  LAST 1480  22,3724  6 0120 1           AD     FIXLOC
 02224  REF 770  LAST 1482  22,3725  54 156 1           TS     MPAC  +2
 02225  REF 253  LAST 1480  22,3726  0 4555 0           TC     BANKCALL      GET SIGN AGREEMENT IN ALL COMPONENTS
 0223   REF   3  LAST 1145  22,3727   01010 1           CADR   VECAGREE
 0224   REF 771  LAST 1482  22,3730  10 154 0           CCS    MPAC
 0225   REF   1             22,3731  1 3765 1           TCF    NOSHIFT
 0226                       22,3732  1 3734 0           TCF    +2
 0227   REF   2  LAST 1482  22,3733  1 3765 1           TCF    NOSHIFT
 0228   REF 772  LAST 1482  22,3734  10 157 0           CCS    MPAC  +3
 0229   REF   3  LAST 1482  22,3735  1 3765 1           TCF    NOSHIFT
 0230                       22,3736  1 3740 0           TCF    +2
 0231   REF   4  LAST 1482  22,3737  1 3765 1           TCF    NOSHIFT
 0232   REF 773  LAST 1482  22,3740  10 161 0           CCS    MPAC  +5
 0233   REF   5  LAST 1482  22,3741  1 3765 1           TCF    NOSHIFT
 0234                       22,3742  1 3744 1           TCF    +2
 0235   REF   6  LAST 1482  22,3743  1 3765 1           TCF    NOSHIFT
```