⑤ cmp (S,T)

$$\begin{cases} S<T & 1 \\ S=T & 0 \\ S>T & -1 \end{cases}$$

```
YCMP: BSR  XCMPCH
      BRA  MB93
```

Cmp(S,T)

	$D3^S$ =
S<T	1
S=T	0
S>T	-1

```
XCMPCH : BSR    WCHAS      P0=T
XCMPCM: BSR     XILOC      (3)52a
        MOVEQ  #0,D2
        MOVEQ  #0,D3
        LEA    TYPCAR-1,A4
        MOVE.B (A4)+,D4

MF65 : SUBQ.L#1,D0
       BMI     MF652
       SUBQ.L  #1,D1
       BMI     MF650          S<T
       MOVE.B  (A0)+,D2
       MOVE.B  (A1)+,D3
       TST.B   D4
       BEQ     GEE32
       BTST    #6,(A4,D2)
       BEQ     GEE30
       BCLR    #5,D2
GEE30: BTST    #6,(A4,D3)
       BEQ     GEE32
       BCLR    #5,D3
GEE32: CMP.B   D3,D2
       BEQ     MF65
       BCS     MF653
MF650: MOVEQ   #1,D3
       RTS
MF652: SUBQ.L  #1,D1
       BMI     MF654
MF653: MOVEQ   #-1,D3
       RTS
MF654: MOVEQ   #0,D3
       RTS
```

cmp1 (c1$, c2$)

c1' = upper1$(c1)
c2' ——— c2
value = cmp (c1', c2')
if value return
value = cmp(c1,c2)

```
YCMP1 : BSR   WCHAS        P0 = T
        BSR   XUPPER2
        BSR   XUPPER2
        BSR   XCMPCH1      d3 = cmp (c1', c2')
        BSR   POP2N        ôte c1' et c2'
        TST   D3
        BNE   GAS64        → met d3 et ôte c1 et c2
        BSR   XCMPCH1      d3 = cmp(c1,c2)
GAS64 : BRA   MB93         →  //
```