

5

130

cmp (S,T)

{ S < T 1
 S = T 0
 S > T -1

YCMP: BSR XCMACH
 BRA MB93

5

Boa

D3^s =

Comp(S,T)

$$\begin{cases} S < T \\ S = T \\ S > T \end{cases}$$

$$\begin{matrix} 1 \\ 0 \\ -1 \end{matrix}$$

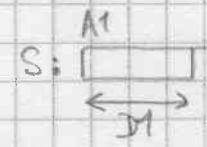
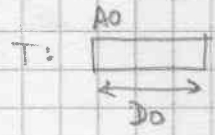
XCMPCH: BSR WCHAS P₀ = T

XCMPCH: BSR XILOC (3)2a

```

MOVEQ #0, D2
MOVEQ #0, D3
LEA TPCAR-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

5

cmp1 (c1, c2)

$c1' = \text{upper}(c1)$
 $c2' = \text{upper}(c2)$
 value = cmp(c1', c2')
 if value return
 value = cmp(c1, c2)

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