BOTH DATA VARIABLE

MOV DPTR,#D2000H ;DATA A

MOVX A,@DPTR

MOV R3,A

INC DPTR

MOVX A,@DPTR

MOV R2,A

MOV DPTR,#D2005H ;DATA B

MOVX A,@DPTR

MOV R5,A

INC DPTR

MOVX A,@DPTR

MOV R4,A

LCALL COMPARE

;IF DATA A IS LESS THAN DATA B

MOV C,RLY33

MOV DPTR,#RLY01\_08

MOVX A,@DPTR

MOV RLY01,C;

MOVX @DPTR,A

;IF DATA B IS EQUAL TO DATA A

MOV C,RLY34

MOV DPTR,#RLY01\_08

MOVX A,@DPTR

MOV RLY02,C;

MOVX @DPTR,A

;IF DATA B IS LESS THAN DATA A

MOV C,RLY35

MOV DPTR,#RLY01\_08

MOVX A,@DPTR

MOV RLY03,C;

MOVX @DPTR,A

WITH ONE CONSTANT DATA

MOV A,#03H ;MSD DATA

MOV R3,A

MOV A,#0E8H

MOV R2,A

MOV DPTR,#D2005H ;DATA B

MOVX A,@DPTR

MOV R5,A

INC DPTR

MOVX A,@DPTR

MOV R4,A

LCALL COMPARE

;IF DATA A IS LESS THAN DATA B

MOV C,RLY33

MOV DPTR,#RLY01\_08

MOVX A,@DPTR

MOV RLY01,C;

MOVX @DPTR,A

;IF DATA B IS EQUAL TO DATA A

MOV C,RLY34

MOV DPTR,#RLY01\_08

MOVX A,@DPTR

MOV RLY02,C;

MOVX @DPTR,A

;IF DATA B IS LESS THAN DATA A

MOV C,RLY35

MOV DPTR,#RLY01\_08

MOVX A,@DPTR

MOV RLY03,C;

MOVX @DPTR,A