**Greatest among 3 numbers**

ORG 00H

MOV R0, #00H ; initialize minimum value

MOV R1, #0AH ; initialize counter

MOV R2, #00H ; initialize value to compare

AGAIN:

MOV A, R2 ; move value to accumulator

SUBB A, R0 ; compare with minimum value

JNC UPDATE\_MIN ; if no carry, update minimum value

AJMP SKIP ; if carry, skip update

UPDATE\_MIN:

MOV A, R2 ; move new minimum value to accumulator

MOV R0, A ; update minimum value

SKIP:

INC R2 ; increment value to compare

DJNZ R1, AGAIN ; decrement counter, if zero stop

END

**Output**

