

**IF A < B THEN C = A ELSE C = B**

```
ORG 2000H
CMP AL, BL
JNS ELSE
MOV CL, AL
JMP FIN
ELSE: MOV CL, BL
FIN:   HLT
      END
```

**IF A <= B THEN C = A ELSE C = B**

```
ORG 2000H
CMP BL, AL
JS ELSE
MOV CL, AL
JMP FIN
ELSE: MOV CL, BL
FIN:   HLT
      END
```

**IF A == B THEN C = A ELSE C = B**

```
ORG 2000H
CMP AL, BL
JNZ ELSE
MOV CL, AL
JMP FIN
ELSE: MOV CL, BL
FIN:   HLT
      END
```