

**;A table contains ten 8-bit data starting at 9000H. Write an 8085 program to transfer the data from this table to next table starting at 9020H if the number is greater than 40H and less than C0H, else store 00H.**

**LXI B,9000H ;(40H<n<C0H)  
LXI D,9020H ;(64D<n<192D)**

**L1: MOV A,C  
CPI 0AH  
CNC L7**

**STC  
CMC ;Reset C Flag  
MVI A,00H  
ADI 10H ;Reset Z Flag**

**LDAX B  
CPI 40H ;(n>40H(=64D))  
JNC L2**

**L3: MVI A,00H  
STAX D  
INR C  
INR E  
JMP L1**

**L2: JNZ L4  
JMP L3**

**L4: CPI 0C0H ;(n<C0H(=192D))  
JC L5  
JMP L3**

**L5: JNZ L6  
JMP L3**

**L6: STAX D**

INR C  
INR E  
JMP L1

L7: JNZ L8  
RET

L8: HLT