

PROG NEAR TUS-64

MOV DI, 0000 H // TUS no, offset.

MOV DS, F000 H

MOV DX, FEEB H

MOV BL, FE H // sıra arttırma kodu.

MOV CL, 08 H // Sıra sayacı.

TEKRAR MOV CH, 08 H // sütun sayacı.

MOV AL, BL

OUT DX, AL

INC DX // DX = EEECH ←

IN AL, DX // sıra değeri last için alındı

SHR AL, 01 H // 0. dug no en solda ise SHL (X)

JNC LED

ADD DI, 02 H // TUS no 2 artırılır.

DEC CH // sütun sayacı 1 eksiltilir.

JNZ DEVAM

ROL BL, 01 H // TUS 0 en üstte ise ROR (X)
diğer sağa geşme kodu

DEC DX // yeniden DX = FEEB H yapılır.

DEC CL // sıra sayacı azaltılır.

JNZ TEKRAR
JMP BITIS
CALL YAZ

LED:
BITIS: HLT

1

MOV DS, A000 H

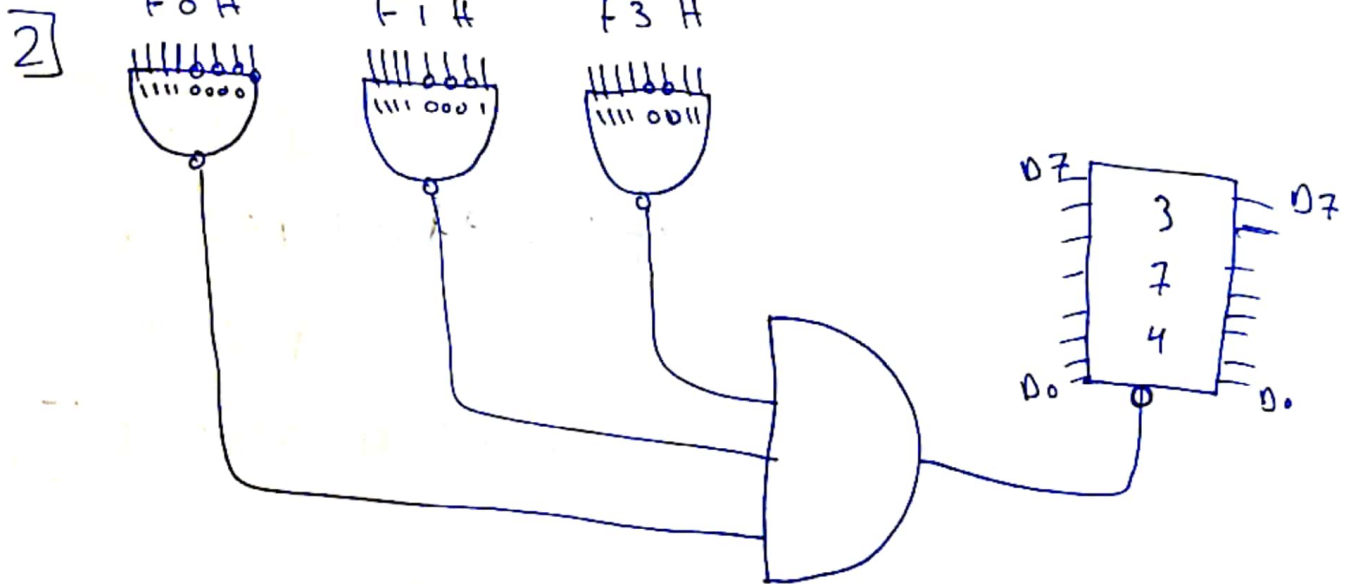
MOV DX, E002 H

MOV BL, 7F

// $\frac{0111}{7} \quad \frac{1111}{F}$

SHL AL, 01 H

ROR BL, 01 H

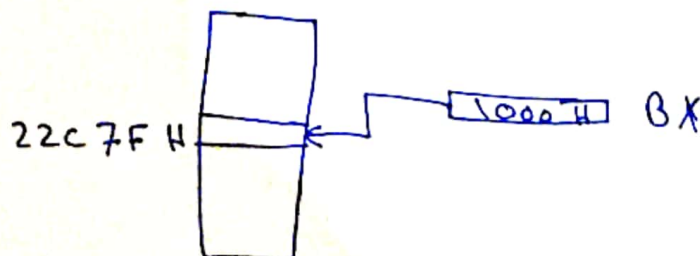


3 a) $DS \times 10 H + ARRAY + SI + 18F H$

$= 20000 + 1AF0 H + 1000 H + 18F H$

$= 22C7F H$

$$\begin{array}{r} 20000 H \\ 1AF0 H \\ 1000 H \\ 18F H \\ \hline 22C7F H \end{array}$$

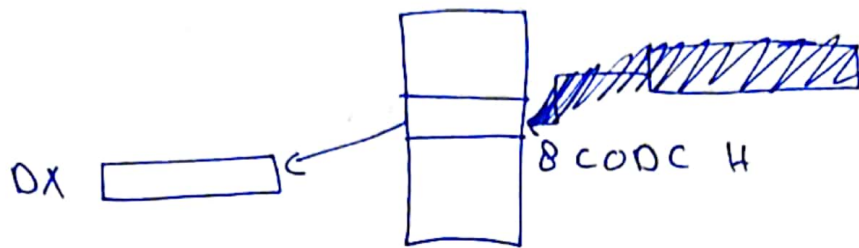


$$3) b) SS * 10H + SUM + SP + FFFH$$

$$= 80000H + 0D H + B000 H + FFFH$$

$$= \boxed{8C0DC H}$$

$$\begin{array}{r} 80000 H \\ B000 H \\ FFF H \\ 0D H \\ \hline 8C0DC \end{array}$$



4) 1. Mov DS, F000 H

2. Not AX

3. Mov [FFFF H], AX

4. HLT