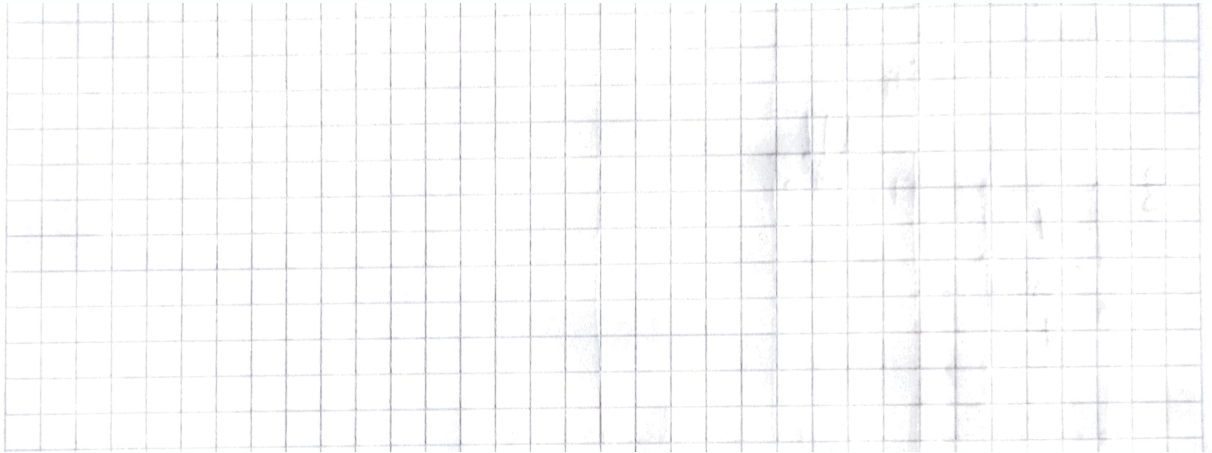


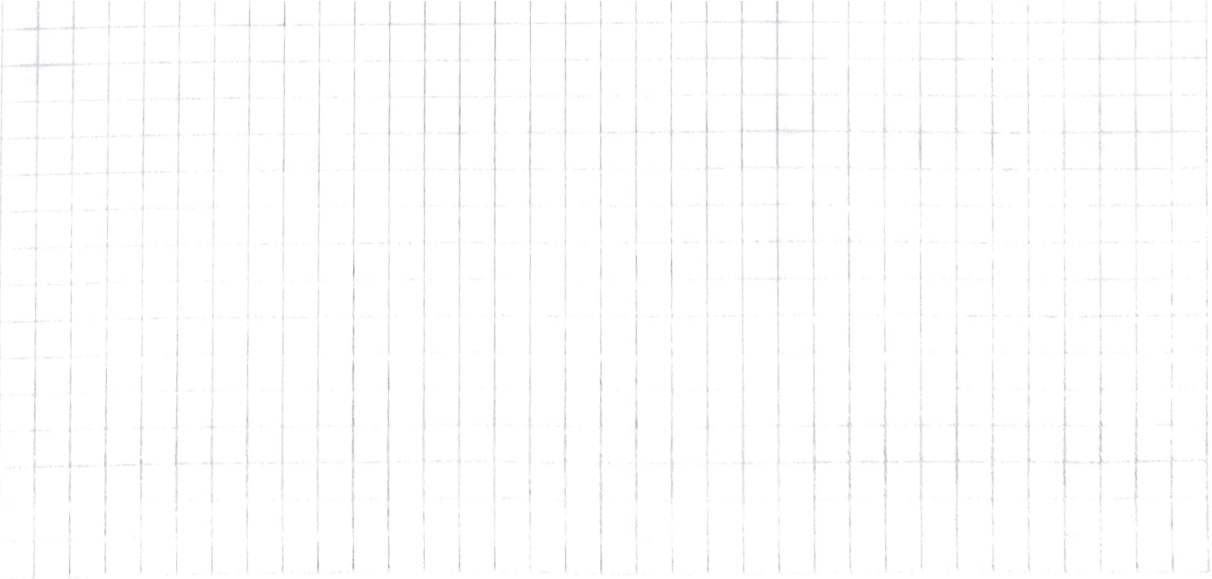
Q12 2

Berke Özgür 20011602

Instruction	DA	AA	BA	MB	FS	MD	RW	MW	PL	JB	BC
ST R0, R7	xxx	000	111	0	xxxx	x	0	1	0	x	x
XOR R4, R3, R5	100	011	101	0	1010	0	1	0	0	x	x
MOVB R0, R1	000	xxx	001	0	1100	0	1	0	0	x	x
ADI R3, R2, 3	011	010	xxx	1	0010	0	1	0	0	x	x
JMP R4	xxx	100	xxx	x	xxxx	x	0	0	1	1	x

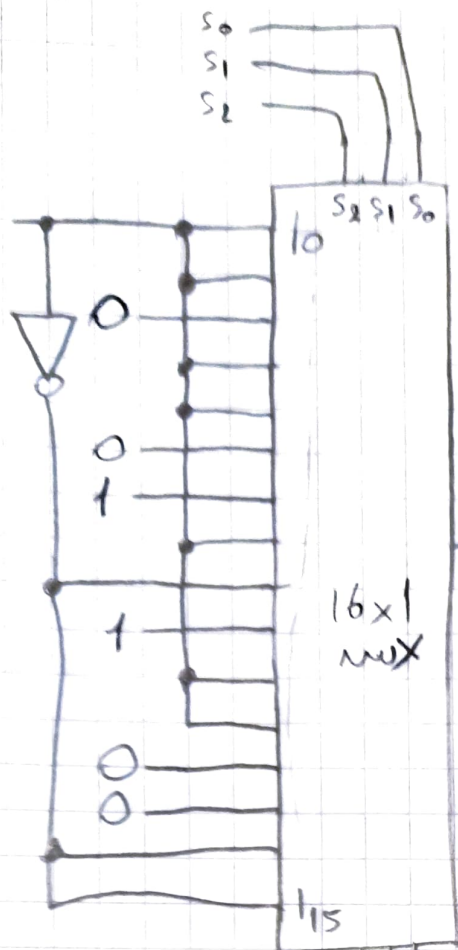


Instruction	Opcode	DR	SA	SB or Operand
ADD R0, R7, R6	0000010	000	111	110
LDI R1, 5	100110	001	xxx	101
BRN R7, -20	1100000	111	xxx	
OR R4, R2, R1	0001001	100	010	001
SHR R4, R2	0001101	100	xxx	010

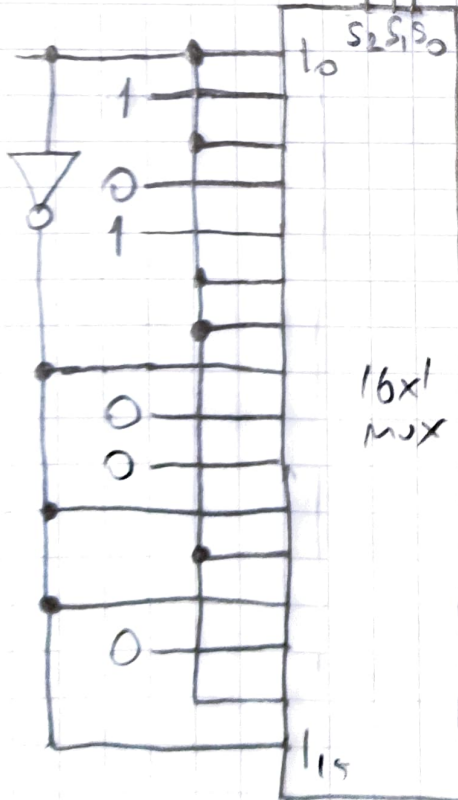


2)
a)

A



B



3)

$$A = 01000000$$

$$B = 11000000$$

4)

$$2^4 = 16$$