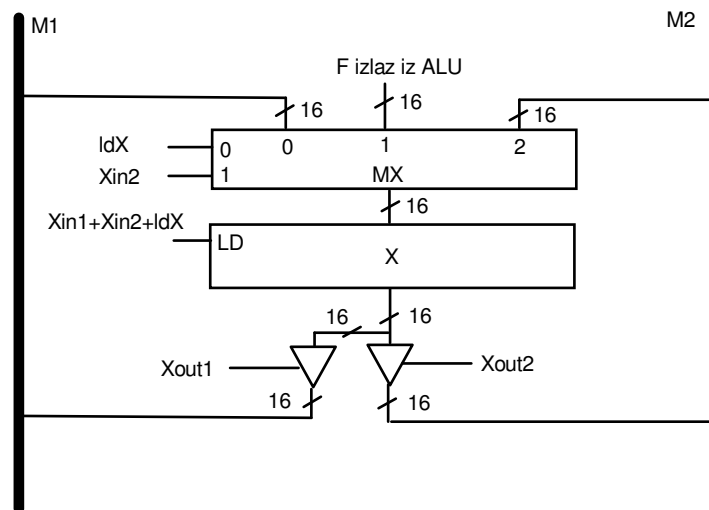


a)



b)

```

; Dohvatanje instrukcije
BEGIN:      PCout,MARin,G,incA,ldX
            read,Xout2,PCin
            wmf c
            MDRout,IRin
; Dekodovanje instrukcije
            opcase
; JMP instrukcija
JMP:        PCout,MARin,G,incA,ldX
            read,Xout2,PCin
            wmf c
            MDRout,TEMPin
            regsel3,REGout1,TEMPout,add,ldX
            Xout2,MARin
            read
            wmf c
            MDRout,PCin,branch(IR,INTH)
            branch(,BEGIN)
; Obrada spoljašnjeg maskirajućeg prekida
INTHIRQ:    SPout,MARin,G,incA,ldX
            PCout,MDRin
            write,Xout2,SPin
            wmf c
            SPout,MARin,G,incA,ldX
            PSWout,MDRin
            write,Xout2,SPin,clTEMP
            wmf c
            TEMPout,MARin
            read
            wmf c
            MDRout,PCin,clPSWI,clIRR,branch(,BEGIN)

```

c)

Adresa (hex):	Sadržaj (hex):
AA00	100
AA01	200

AA02	100	
AA03	300	
AA04	200	

SUB	R0,R0,#7	; R0:=R0-7
JMP	R0,AA00h	