



Организација рачунара – К2 решење

1.(15)

a) (3)

7		0000007h	
6		0000006h	
5	IRQN	0000005h	00001103h
4		0000004h	
3		0000003h	
2	IRQM1	0000002h	00001105h
1	OSTALO	0000001h	00001100h
0	IRQM0	0000000h	0000110Ah

б) (3) LOAD #0000110Ah
STORE 0000000h
LOAD #00001105h
STORE 0000002h
LOAD #00001103h
STORE 0000005h

в) (6)

Рб	Адреса	Инструкција	ACC	Стек	I	L	PRIRRN	PRIRRM0	PRIRRM1
1	0000100h	INTE	-	-	1	00	-	-	-
2	0000101h	LOAD 0h	0000110Ah	-	1	00	-	1	-
			0000110Ah	1	0	10	-	-	-
3	0000110Ah	INTE	0000110Ah	1	1	10	-	-	-
4	0000110Bh	SUB 1h	0000000Ah	1	1	10	-	-	1
5	0000110Dh	STORE Ah	0000000Ah	1	1	10	1	-	1
			0000000Ah	2	0	10	-	-	1
6	00001103h	DECA	00000009h	2	0	10	-	-	1
7	00001104h	RTI	0000000Ah	1	1	10	-	-	1
8	0000110Fh	INCA	0000000Bh	1	1	10	-	-	1
9	00001110h	RTI	0000110Ah	-	1	00	-	-	1
10	00001103h	INCA	0000110Bh	-	1	00	-	-	1
			0000110Bh	3	0	01			
11	00001105h	POPA	0000110Bh	4	0	01	-	-	-
12	00001106h	INCA	0000110Ch	4	0	01	-	-	-
13	00001107h	INCA	0000110Dh	4	0	01	-	-	-
14	00001108h	PUSHA	0000110Dh	5	0	01	-	-	-
15	00001109h	RTI	0000110Dh	-	1	00	-	-	-
16	00000104h	STORE Ah	0000110Dh	-	1	00	-	-	-
17	00000106h	INTD	0000110Dh	-	0	00	-	-	-

1	0000103h
	I=1, L=00
	0000110Ah
2	0000103h
	I=1, L=00
	0000110Ah
	0000110Fh
	I=1, L=10
	0000000Ah
3	0000104h
	I=1, L=00
	0000110Bh
4	0000104h
	I=1, L=00
5	0000104h
	I=1, L=00
	0000110Dh

r) (3) mem[0000000Ah] = 0000110Dh

2. (5) Погледати материјале са предавања.