



Организација рачунара – КЗ решење

1.(20)

LOAD #1000h	DEC Cnt
STORE MemCntA	JNZ Loop
STORE MemCntB	...
STORE MemAdrA	LOAD #0h
LOAD #2000h	STORE MemSemD
STORE MemAdrB	STORE MemSemDMA
LOAD #1h	LOAD #1000h
OUT FF10h	OUT FF03h
OUT FF20h	STORE MemCntD
Crdy: IN FF11h	LOAD #3000h
AND #20h	OUT FF04h
JZ Crdy2	LOAD #4000h
IN FF12h	STORE MemAdrD
STORE (MemAdrA)	LOAD #5h
INC MemAdrA	OUT FF30h
DEC MemCntA	LOAD #15h
JNZ Crdy2	OUT FF10h
LOAD #0h	LOAD #35h
STORE FF10h	OUT FF00h
Crdy2: IN FF21h	WaitD: LOAD MemSemD
AND #20h	CMP #1
JZ Crdy	JNZ WaitD
IN FF22h	WDMA:LOAD MemSemDMA
STORE (MemAdrB)	CMP #1
INC MemAdrB	JNZ WDMA
DEC MemCntB	HALT
JNZ Crdy	Прекидна рутина за PER0:
LOAD #0h	PUSHA
OUT FF20h	LOAD (MemAdrD)
...	OUT FF12h
LOAD #1000h	INC MemAdrD
STORE Cnt	DEC MemCntD
STORE MemAdrA	JNZ Back
LOAD #2000h	LOAD #1
STORE MemAdrB	STORE MemSemD
LOAD #3000h	LOAD #0
STORE MemAdrC	OUT FF10h
LOAD #4000h	Back: POPA
STORE MemAdrD	RTI
LOOP: LOAD (MemAdrA)	Прекидна рутина за DMA:
ADD (MemAdrB)	PUSHA
STORE (MemAdrC)	LOAD #0h
LOAD (MemAdrA)	OUT FF30h
MUL (MemAdrB)	OUT FF00h
STORE (MemAdrD)	LOAD #1h
INC MemAdrA	STORE MemSemDMA
INC MemAdrB	POPA
INC MemAdrC	RTI
INC MemAdrD	

2. (20) Погледати материјале са предавања.