



Организација рачунара – КЗ решење

1.(20)
LOAD #0100h
STORE MemCntA
STORE FF03h
STORE MemAdrA
LOAD #200h
STORE FF05h
LOAD #0h
STORE MemSemDMA
LOAD #0001h
STORE FF10h
LOAD #0001h
STORE FF30h
LOAD #0011h
STORE FF00h
Crdy: LOAD FF11h
AND #0020h
JZ Crdy
LOAD FF12h
STORE (MemAdrA)
INC MemAdrA
DEC MemCntA
JNZ Crdy
LOAD #0h
STORE FF10h
WaitB: LOAD MemSemDMA
CMP #1
JNZ WaitB
...
LOAD #0100h
STORE MemCnt
STORE MemAdrA
LOAD #0200h
STORE MemAdrB
LOAD #0300h
STORE MemAdrC
LOOP: LOAD (MemAdrA)
SUB (MemAdrB)
STORE (MemAdrC)
INC MemAdrA
INC MemAdrB
INC MemAdrC
DEC MemCnt
JNZ Loop
...
LOAD #0h
STORE MemSemC
LOAD #100h
STORE MemCntC
LOAD #300h
STORE MemAdrC
LOAD #15h
STORE FF20h
WaitC: LOAD MemSemC
CMP #1
JNZ WaitC
HALT

Прекидна рутина за PER1:
PUSHA
LOAD (MemAdrC)
STORE FF22h
INC MemAdrC
DEC MemCntC
JNZ Back
LOAD #1
STORE MemSemC
LOAD #0
STORE FF20h
Back: POPA
RTI

Прекидна рутина за DMA:
PUSHA
LOAD #0h
STORE FF30h
STORE FF00h
LOAD #1h
STORE MemSemDMA
POPA
RTI

2. (20) Погледати материјале са предавања.