

Решење испита 13.01.2018.

1)

```
LOAD #0000h
STORE MemSem0
LOAD #0000h
STORE MemSem1
LOAD #1100h
STORE MemAdrB
LOAD #0100h
STORE Cnt
STORE FFF3h ; Cnt DMA
LOAD #1000h
STORE FFF5h ; AdrDst DMA
STORE MemAdrA
LOAD #000E
STORE FFF0h ; CR DMA
LOAD #0006
STORE FF00h
LOAD #000E
STORE FF10h
Loop1: LOAD MemSem0
AND MemSem1
JZ Loop1
LOAD #0100h
STORE Cnt
LOAD #0002
STORE FF20h
LOAD #1100h
STORE MemAdrB
LOAD #1200h
STORE MemAdrC
Wait0: LOAD FF21
AND #0400h
JZ Wait0
LOAD (MemAdrA)
AND #0001
JZ Odd
ASL (MemAdrA)
ADD (MemAdrA)
ADD (MemAdrB)
JMP Upd
Odd: SUB (MemAdrB)
```

```
Upd: STORE FF22
STORE (MemAdrC)
INC MemAdrA
INC MemAdrB
INC MemAdrC
DEC Cnt
JNZ Wait0
LOAD #0000
STORE FF20
HALT
```

...

Прекидна рутина за PER1:

```
PUSHA
LOAD FF12h
STORE (MemAdrB)
INC MemAdrB
DEC Cnt
JNZ End
LOAD #0000h
STORE FF10h
LOAD #0001h
STORE MemSem1
```

End: POPA

```
RTI
```

...

Прекидна рутина за DMA:

```
PUSHA
LOAD #0000h
STORE FF00h
STORE FFF0h
LOAD #0001h
STORE MemSem0
POPA
RTI
```

...