حدیث غفوری 9825413

سوال 1

الف)

```
.macro read
    LDS R21,@0
    OUT PORTB , R21
.endmacro



read $90
read $91
read $92
read $93
read $94
nop
```

```
.macro read
    LDI  XL , @0
    LDI  XH , @1
    LD R19,X
    OUT  PORTB , R19
.endmacro

read 0x90,0x0
read 0x91,0x0
read 0x92,0x0
read 0x93,0x0
read 0x94,0x0
nop
```

```
IN R21,PINB
BST R21,4
LDS R22,$200
BLD R22,0
STS $200,R22
```

```
.include "M16DEF.INC"
.ORG
WAITR:
SBIC EECR,EEWE
RJMP WAITR
SBI EECR,EERE


IN R17,EEDR
INC R17

WAITW:
SBIC EECR,EEWE
RJMP WAITW
OUT EEDR R17
SBI EECR,EEMWE
SBI EECR,EEWE
```

```
.macro sum
    IN R1,@0
    IN R2,@1
    ADD R1,R2
    STS 0X300 , R1
.endmacro

LDI R20 , 0x1
OUT PORTA , R20
LDI R21, 0x2
OUT PORTB , R21
sum PORTA,PORTB
nop
```