1)

A)

```
MOV A, 0x04
MOV B, 0x0A
ADD A,B
MOV [16], B
MOV [17], A
HLT
```

B) La suma queda guardada en A y la resta en B

```
JMP start
var1: DB 3 ; Variable


var2: DB 2 ; Variable


start:
        MOV A, [var1]    ; Point to var
        MOV B, [var2] ; Point to output
        MOV C, A
        MOV D, B
        ADD A,B
        SUB C,D
        MOV B,C

        HLT
```

C)

```
JMP start
var1: DB 4 ; Variable

var2: DB 4 ; Variable

start:
        MOV A, [var1]    ; Point to var
        MOV B, [var2] ; Point to output
        CMP A,B
        JZ end
        JNZ add
```

```
        ADD A,B
add:
        ADD A,B
        MOV D,A
        HLT

end:
        HLT
```

D) Da C=1 si es par, C=0 si es impar

```
        JMP start
        var1: DB 10 ; Variable



start:
        MOV A, [var1]    ; Point to var
        AND A,1
        JZ par
        MOV D,1
        HLT

par:
        MOV C,1
        HLT
```

F)

```
        MOV A,0x06
LOOP: DEC A
        PUSH A
        CMP A,0x00
        JNZ LOOP
        HLT
```