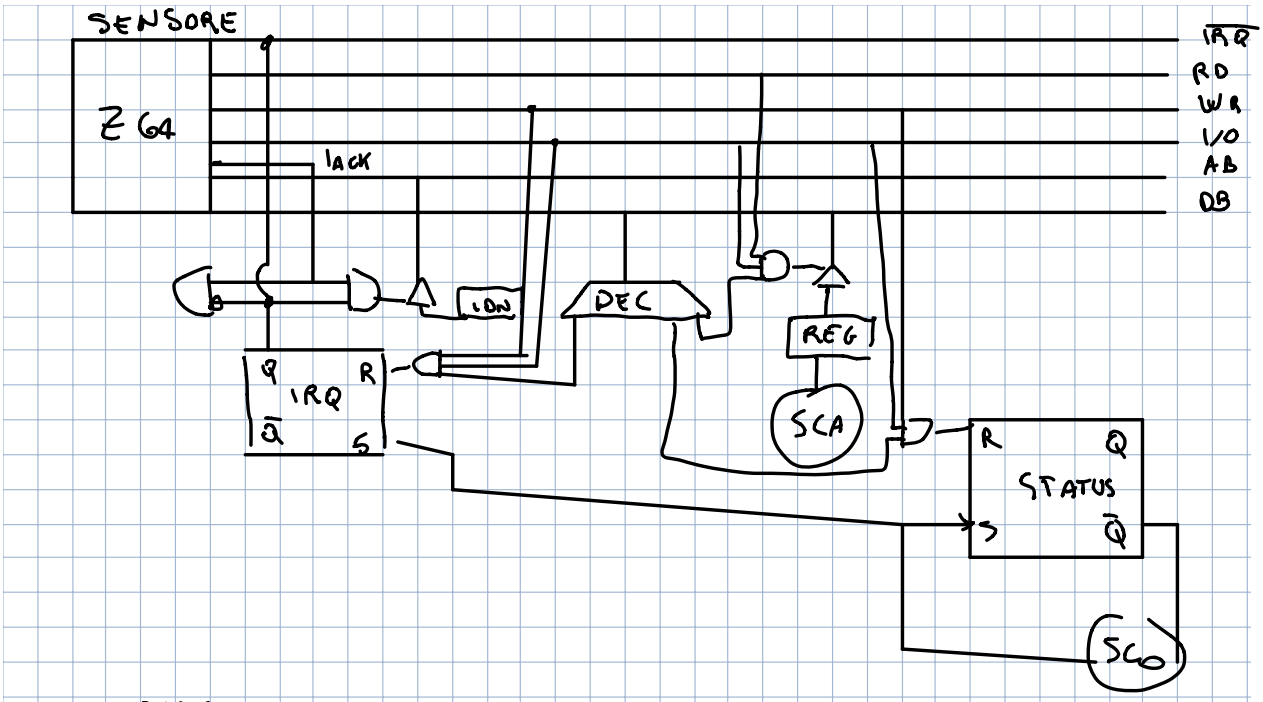
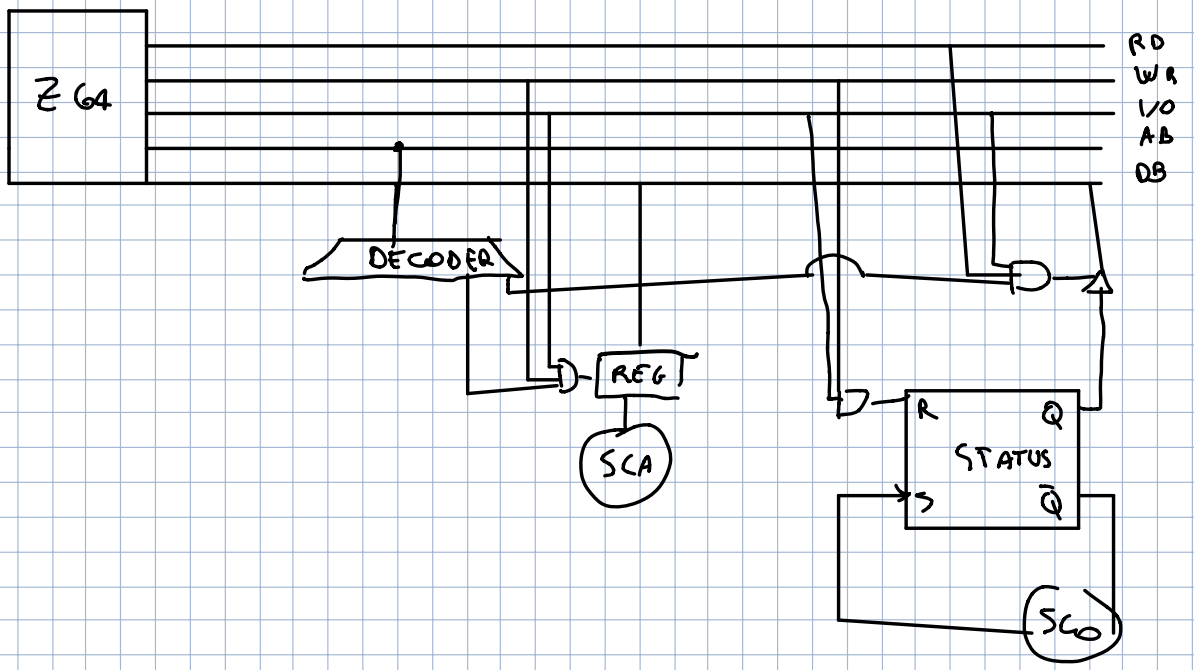


ALLARME




```
.ORG    0X800

.DATA
        .EQU   SENSORE1_STATUS , 0x1
        .EQU   SENSORE1-IRQ , 0x2
        .EQU   SENSORE2-STATUS , 0x3
```

```
.EQU   SENSORE2_IRQ , 0x9
.EQU   SENSORE_REG
.EQU   SENSORE2_REG
  :
.EQU   ALLARME_STATUS, 0x...
.EQU   SOGLIA , 0XAAAA
MEDIA: WORD 0
SENSORE 0: WORD 0
SENSORE 1: WORD 0
  :
.TEXT
    MOVW $ SENSORE_STATUS, %DX
    MOVB $ 1 , %AL
    OUTB %AL, %DX

    MOVW $ SENSORE_STATUS, %DX
    OUTB %AL, %DX
    : X OGNI SENSORE

    MOVW $ ALLARME_STATUS, %DX
    OUTB %AL, %DX

    STI
    HLT

.DRIVER 0 # DRIVER DI UN SENSORE
  CLI
  MOVW $ SENSORE_REG , %DX
  INW %DX , %AX

  MOVW %AX, SENSORE 0

  CALL MEDIASENSORI

  CMPW %AX , SOGLIA

  JC . ALLARME

  MOVB $ 1, %AL

  MOVW $SENSORE_IRQ, %DX
  OUTB %AL, %DX

  MOVW $ SENSORE_STATUS, %DX
```

```
        OUT B %AL, %DX
        JMP.FINE
```

MEDIA SENSORI:

```
        ADDW SENSORE0, MEDIA
        ADDW SENSORE1, MEDIA
          :
        SHRW $4, MEDIA

        MOVW MEDIA, %AX
        RET
```