

PRACTICA 10

INTRODUCCIÓN A LOS MICROCONTROLADORES INTEGRANTES:

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GRUPO: 3CM6

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1 DESARROLLO

```
.include"m8535def.inc"
.def aux = r16
.def aux2 = r17
.equ step1 = 8
.equ step2 = 4
.equ step3 = 2
.equ step4 = 1
       rjmp main
       rjmp secuencia2
config_io:
        ldi aux,$0f
        out DDRC, aux
        ldi aux,0b11111011
        out DDRD, aux
        ldi aux,4
        out PORTD, aux
        ldi aux,2
        out MCUCR, aux
        ldi aux,0b0100_0000
        out GICR, aux
        sei
        ret
retardo:
        clr aux
        clr aux2
loop:
        dec aux
        brne loop
        dec aux2
        brne loop
        ret
secuencia1:
        ldi aux,step1
        out PORTC, aux
        rcall retardo
        ldi aux, step2
```

ldi aux, step2 out PORTC, aux rcall retardo ldi aux, step3 out PORTC, aux rcall retardo ldi aux, step4 out PORTC, aux rcall retardo ret secuencia2: ldi aux, step4 out PORTC, aux rcall retardo ldi aux,step3 out PORTC, aux rcall retardo ldi aux,step2 out PORTC, aux rcall retardo ldi aux,step1 PORTC, aux out rcall retardo reti main: ldi aux,low(RAMEND) out spl, aux ldi aux,high(RAMEND) out sph,aux rcall config_io while: rcall secuencia1 rjmp while

3 | CONCLUSIONES