```
;PROGRAMA QUE CONTROLA UN MOTOR A PASOS 28BYJ-48
```

Encabezado para ATtiny2313

Stack Pointer para ATtiny2313

Rectángulos "explicativos"

```
LDI R16,$F0        ;Se usarán los bits de salida PB7,
                   ;PB6, PB5 y PB4
OUT DDRB,R16

LECTURA:           ;Detecta los botones para Derecha
                   ;e Izquierda
LDI R17,$01
IN R18,PIND
CP R18,R17
BREQ IZQUIERDA
LDI R17,$02
IN R18,PIND
CP R18,R17
BREQ DERECHA
RJMP LECTURA

IZQUIERDA:
LDI R16,0b1000_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b1100_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0100_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0110_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0010_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0011_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0001_0000
OUT PORTB,R16
RCALL DELAY
```

```
LDI R16,0b1001_0000
OUT PORTB,R16
RCALL DELAY
RJMP LECTURA

DERECHA:
LDI R16,0b0001_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0011_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0010_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0110_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b0100_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b1100_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b1000_0000
OUT PORTB,R16
RCALL DELAY
LDI R16,0b1001_0000
OUT PORTB,R16
RCALL DELAY
RJMP LECTURA

DELAY:
LDI R31,$FF
LDI R30,$04
LDI R28,0

CICLO1:
DEC R31
CP R31,R28
BRNE CICLO1
DEC R30
CP R30,R28
BRNE CICLO1
RET
```