```
1 .equ TOPSPIN = 0b00000000
2 .equ BACKSPIN = 0b00000001
3 .def PARAMETER = r16
4 .def PARAMETER2 = r17
5
6 sixteenth_delay:
7         ldi  r18, 5
8         ldi  r19, 75
9         ldi  r20, 191
10    L5: dec  r20
11        brne L5
12        dec  r19
13        brne L5
14        dec  r18
15        brne L5
16        nop
17    ret
18
19
20 delay_timer:                    // 1 segundo delay
21        ldi r16, low(49910)
22        ldi r17, high(49910)
23
24        sts TCNT5H, r17
25        sts TCNT5L, r16
26
27        ldi r16, (1 << TOIE5)
28        sts TIMSK5, r16
29
30        ldi r16, 0b00000101 //(1<<CS50) | (1<<CS52) // Prescaler 1024
31        sts TCCR5B, r16
32        sei
33        sleep
34        ret
35
36 half_delay_timer:               // medio segundo delay
37        ldi r16, low(57723)
38        ldi r17, high(57723)
39
40        sts TCNT5H, r17
41        sts TCNT5L, r16
42
43        ldi r16, (1 << TOIE5)
44        sts TIMSK5, r16
45
46        ldi r16, 0b00000101 //(1<<CS50) | (1<<CS52) // Prescaler 1024
47        sts TCCR5B, r16
48        sei
49        sleep
50        ret
51
52 TIM5_OVF:
53        reti
```