

```
1  #define F_CPU 8000000UL
2
3  #include <avr/io.h>
4  #include <util/delay.h>
5
6  void setup(void)
7  {
8      DDRB |= (1<<PB4) | (1<<PB5);
9      DDRB &= ~(1<<PB6);
10     DDRC &= ~(1<<PC6);
11     PORTB |= (1<<PB6);
12     PORTC |= (1<<PC6);
13 }
14
15 void loop(void)
16 {
17     uint8_t b1 = !(PINB & (1<<PB6));
18     uint8_t b2 = !(PINC & (1<<PC6));
19
20     if(b1)
21         PORTB |= (1<<PB4);
22     else
23         PORTB &= ~(1<<PB4);
24
25     if(b2)
26         PORTB |= (1<<PB5);
27     else
28         PORTB &= ~(1<<PB5);
29
30     _delay_ms(100);
31 }
32
33 int main(void)
34 {
35     setup();
36     while(1)
37         loop();
38 }
39
```