

Source Code

```
char set = 0;
const int delay_B = 50;
const int delay_A = 400;

void interrupt() {
    if (INTCON.INTF) {
        if (set == 0) {
            PORTB.RB1 = 1;
            PORTB.RB2 = 0;
            Delay_ms(delay_B);
            PORTB.RB1 = 0;
            PORTB.RB2 = 1;
            Delay_ms(delay_B);
            set = 1;
        } else {
            PORTB.RB1 = 1;
            PORTB.RB2 = 0;
            Delay_ms(delay_A);
            PORTB.RB1 = 0;
            PORTB.RB2 = 1;
            Delay_ms(delay_A);
            set = 0;
        }
        INTCON.INTF = 0;
    }
}

void main() {
    TRISB = 0b00000001;
    TRISA = 0b00000000;
    CMCON = 0x07;
    OPTION_REG = 0b00000000;
    INTCON = 0b11010000;

    while (1) {
        if (set == 0) {
            PORTB.RB1 = 0;
            PORTB.RB2 = 0;
            PORTA = 0b00000001;
            Delay_ms(delay_A);

            PORTA = 0b00000010;
            Delay_ms(delay_A);
        } else {
```

```

PORTB.RB1 = 0;
PORTB.RB2 = 0;
PORTA = 0b00000001;
Delay_ms(delay_B);

```

```

PORTA = 0b00000010;
Delay_ms(delay_B);

```

```

}

```

```

}}

```

Circuit

