```c
#include <avr/io.h>
#define F_CPU 1e6
#include <avr/delay.h>
#define TRUE 1
#define FALSE 0

int main()
{
  //SETUP
  //Button is on PA3
  //LED is PB2
        PORTA = _BV(PA3); //Turn button pullup resistor on
        DDRB = _BV(PB2); //Enable output on the LED pin
  //LOOP
  while (TRUE)
    {
    if (bit_is_set(PINA, PA3))
        {
        PORTB = 1; //turn LED off
        }
    else
        {
        PORTB = 0;
        _delay_ms(300);
        PORTB = _BV(PB2);
        _delay_ms(200);
        PORTB = 0;
        _delay_ms(500);

        PORTB = _BV(PB2);
        _delay_ms(100);
        PORTB = 0;
        _delay_ms(150);

        PORTB = _BV(PB2);
        _delay_ms(100);
        PORTB = 0;
        _delay_ms(250);

        PORTB = _BV(PB2);
        _delay_ms(300);
        PORTB = 0;
        _delay_ms(400);

        PORTB = _BV(PB2);
        _delay_ms(300);
        PORTB = 0;
        _delay_ms(700);

        PORTB = _BV(PB2);
        _delay_ms(150);
        PORTB = 0;
        _delay_ms(400);

        PORTB = _BV(PB2);
        _delay_ms(400);
        PORTB = 0;
        _delay_ms(2000);
        }
        }
}
```