

```

// Attiny2313
#include <avr/io.h>
#define F_CPU 1000000UL // 1MHz, Define before <util/delay.h>
#include <util/delay.h>

//Wait function
void delay_ms(uint16_t t) {
    while (t-->0) _delay_ms(1);
}

unsigned char x,x0;
int c;

int main( void ){

//Initialization
    DDRB = 0b00000111; // Set up port B0 - B2 as output
    PORTA = 0b00000001; // Activate pullup at port A0
    x0 = 0b00000000; // constant value 0
    delay_ms(100);

//Main operation program
    while(1){
        PORTB = 0b00000000; // Inactivate all B ports
        x = PINA; // Read in the
input status values of A ports
        x = (~x) & 0b00000001; // Judge whether status
of port A0 was changed
// (whether the push button was touched or released),
// and memorize the
result

        if(x != x0){ // Judge whether the status of
port A0 became 1 (whether the push switch was pushed)
//Generation of 5 voltage pulses
            for(c = 0;c < 5;c++){
                PORTB = 0b00000100; //B2 =
ON (Indication that this program is On) //B1 =
OFF (Compulsory inactivation of the OP-amp) //B0 =
OFF (No input to the OP-amp)
                delay_ms(720); //The
interval of voltage pulses for 720ms

                PORTB = 0b00000111; //B2 =
ON (Indication that this program is On) //B1 =
ON (Activation of the OP-amp) //B0 =
ON (Input to the OP-amp)
                delay_ms(280); //
Generation of voltage pulse for 280ms
            }
    }
}

```

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PORTB = 0b00000000; // Inactivate all
B ports
    x0 = 0b00000000;
    }
    delay_ms(100);
}
```