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\* main.c

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\* Author: Administrator

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#include <avr/io.h>

#include "../LIB/BIT\_MATH.h"

#include "../LIB/STD\_TYPES.h"

#include <util/delay.h>

u8 GR\_u8SsdNum[10] ={ //G global - R array - u8 unsigned char

0x3F, // 0

0x06,

0x5B,

0x4f,

0x66,

0x6D,

0x7D,

0x07,

0x7F,

0x6F //9

};

int main(void) {

DDRC = 0b01111111; // seven segment output

PORTC = 0b00000000;

DDRB = 0b00000000; // switch on 0

PORTB = 0b00000001;

u8 pressCount = 0;

while(1) {

if(pressCount == 10 ) pressCount = 0;

if(GET\_BIT(PINB,0) == 0) {

\_delay\_ms(20);

PORTC = GR\_u8SsdNum[pressCount];

pressCount++;

}

while(GET\_BIT(PINB,0) == 0);

}

return 0;

}