```
#include
#include
#define DS_PORT
                         PORTC
#define DS_PIN
#define ST_CP_PORT PORTC
#define ST_CP_PIN 1
#define SH_CP_PORT PORTC
#define SH_CP_PIN 2
#define DS_low() DS_PORT&=~_BV(DS_PIN)
#define DS_high() DS_PORT|=_BV(DS_PIN)
#define ST_CP_low() ST_CP_PORT&=~_BV(ST_CP_PIN)
#define ST_CP_high() ST_CP_PORT|=_BV(ST_CP_PIN)
#define SH_CP_low() SH_CP_PORT&=~_BV(SH_CP_PIN)
#define SH_CP_high() SH_CP_PORT|=_BV(SH_CP_PIN)
//Определение функций
//===
void ioinit(void);
void output_led_state(unsigned char __led_state);
int main (void)
   ioinit(); //Установка линий ввода вывода и значений по умолчанию
    while(1)
         Образец выводимых данных для показа скачущего огонька
          10000000
           01000000
          00100000
           00010000
           00001000
           00000100
           0000010
           00000001
           00000010
          00000100
           00001000
           00010000
          00100000
          01000000
        for (int i=7;i>=0;i--)
            output_led_state(_BV(i));
            _delay_ms(100);
        for (int i=1;i<7;i++)
            output_led_state(_BV(i));
           _delay_ms(100);
   }
void ioinit (void)
     DDRC = 0b00000111; //1 = вывод, 0 = ввод PORTC = 0b000000000;
void output_led_state(unsigned char __led_state)
    SH_CP_low();
    ST_CP_low();
    for (int i=0;i<8;i++)</pre>
        if (bit_is_set(__led_state, i))
    DS_high();
        else
            DS_low();
        SH_CP_high();
SH_CP_low();
    ST_CP_high();
```