**Infinity Mirror**

## CODE

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\* Infinite\_mirror.cpp

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#define F\_CPU 8000000UL

#include <avr/io.h>

#include <util/delay.h>

#define red\_port DDRA

#define blue\_port DDRC

#define commom\_port DDRB

#define speed 50

#define times 10

int main (void){

DDRB=0xff;

DDRA=0xff;

DDRC=0xff;

PORTA=0xff;

PORTC=0x00;

void design1(void);

while(1){

PORTA|=0xff;

PORTC&=0x00;

design1();

PORTA&=0x00;

PORTC|=0xff;

design1();

}

}

void design1(void){

for (int r=0;r!=times;r++)

{

for(int i=0;i!=8;i++){

PORTB=(1<<i);

\_delay\_ms(speed);

}

for(int i=0;i!=8;i++){

PORTB=(1<<(7-i));

\_delay\_ms(speed);

}

}

for (int r=0;r!=times;r++)

{

for(int i=0;i!=8;i++){

PORTB=(1<<i);

\_delay\_ms(speed);

}

}

for (int r=0;r!=times;r++)

{

for(int i=0;i!=8;i++){

PORTB=(1<<(7-i));

\_delay\_ms(speed);

}

}

}