#include<reg51.h>

void dac\_init(void);

void dac\_output(unsigned char i);

void msdelay(unsigned int x);

void triangular(void);

void main ()

{

dac\_init();

while(1)

{

triangular();

}

}

void dac\_init()

{

P1 = 0x00;

}

void dac\_output(unsigned char i)

{

P1 = i;

}

void triangular()

{

unsigned int x ;

for(x=0;x<=0xFF;x++)

{

dac\_output(x);

msdelay(100);}

for(x=0xFF;x>0;x--){

dac\_output(x);

msdelay(100);}

}

void msdelay(unsigned int x)

{

unsigned int i,j;

for(i=0;i<=x;i++)

for(j=0;j<=1275;j++);

}