#include <reg51.h>

#include<intrins.h>

sbit servo\_pin = P2^0;

sbit LDR1=P1^0;

sbit LDR2=P1^1;

sbit LDR3=P1^2;

void delay(unsigned int);

void servo\_delay(unsigned int);

unsigned int 1;

void main()

{

servo\_pin = 0;

P1=0;

While (1)

{

if(LDR1 ==1)

{

servo\_pin=1;

servo\_delay(50);

servo\_pin=0;

delay(1000);

}

if(LDR2 ==1)

{

servo\_pin=1;

servo\_delay(123);

servo\_pin=0;

delay(1000);

}

if(LDR3 ==1)

{

servo\_pin=1;

servo\_delay(166);

servo\_pin=0;

delay(1000);

}

}

}

void delay(unsigned int ms)

{

unsigned long int us = ms\*1000;

while(us--)

{

\_nop\_();

}

}

void servo\_delay(unsigned int us)

{

while(us--)

{

\_nop\_();

}

}