#include <p18f4550.h>

#include "vector\_relocate.h"

void myMsDelay (unsigned int time) {

unsigned int i, j;

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

for (j = 0; j < 710; j++);

}

void main() {

TRISCbits.TRISC2 = 0;

TRISCbits.TRISC6 = 0;

TRISCbits.TRISC7 = 0;

PR2 = 0xBA;

CCP1CON = 0x0C;

T2CON = 0x07;

PORTCbits.RC6 = 1;

PORTCbits.RC7 = 0;

while(1) {

//80%

CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 0;

CCPR1L = 0x96;

myMsDelay(2000);

//60%

CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 1;

CCPR1L = 0x70;

myMsDelay(2000);

//40%

CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 0;

CCPR1L = 0x4B;

myMsDelay(2000);

//20%

CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 1;

CCPR1L = 0x25;

myMsDelay(2000);

//50%

CCP1CONbits.DC1B0 = 0;

CCP1CONbits.DC1B1 = 0;

CCPR1L = 0x5D;

myMsDelay(2000);

}

}