#include <stdio.h>

#include <stdlib.h>

#include <pic18f4550.h>

void delay()

{

for (int i = 0; i < 2000; i++)

{

for (int j = 0; j < 2000; j++);

}

}

void \_\_interrupt() RB1\_isr()

{

if (INTCON3bits.INT1IF == 1)

{

INTCONbits.GIE = 0;

PORTAbits.RA4 = 1;

delay();

PORTAbits.RA4 = 0;

}

INTCON3bits.INT1IF = 0;

INTCONbits.GIE = 1;

}

void main (void)

{

TRISAbits.TRISA4 = 0;

TRISBbits.TRISB1 = 1;

INTCON2bits.INTEDG1 = 0;

INTCON3bits.INT1IF = 0;

INTCON3bits.INT1IE = 1;

INTCONbits.PEIE = 1;

INTCONbits.GIE = 1;

while(1);

}