Examen : 2020 : Lave linge.

```c
# include <htc.h>.
# define display (val) (portA = val)


void main() {
    // config interrup.
    GIE = 1;
    RBIE = 1;
    INTE = 1;
    INTEDG = 0;        (car RB0 = 0)

    // config I/O.

    TRISA = 0;

    TRISB = 0b10110001;

    // INIT des I/O.

    PORTA = 0;

    RB1 = 0;
    RB2 = 0;
    RB6 = 0;
```

```c
// Traitement
while (1) {

        RB1 = 1;
        display (10);

    }

}

void interrupt isr () {
    // Tester le flag du port B (RB4 ->RB7)
    if (RBIF == 1) {

            if ( RB4 == 1) {

                    display (11);
                    if ( RB7 == 1) {
                    display (13);
                    delay_ms (500);

            }

        }

        if ( RB5 == 1) {

                RB6 = 1;
                display (12);
                delay_ms (200);

        }
    // remettre le flag à zero.
    RBIF = 0;

}
```