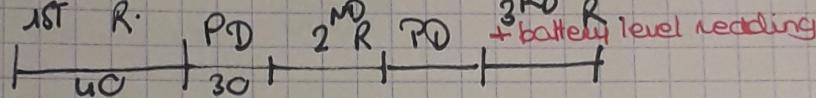


1st option: at the first 3rd reading on the BDP:
(and only o)



- what the code would look like:

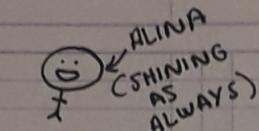
On

the
obstacleDetected()
function

added stuff
in pink

```
bool obstacleDetected() {  
    int positive = 0;  
    for (int i = 0; i < -numReadings; i++) {  
        if (hc.read() <= threshold) {  
            positive++;  
        }  
        if (i == 2) { // 3rd reading  
            sendWarning(); // calls the function  
                           // that sends a  
                           // signal if the  
                           // battery level  
                           // is low.  
        }  
    }  
    if (i != (-numReadings - 1)) {  
        sendWarning(); // calls the function that  
                       // sends a signal  
                       // if the battery level  
                       // is low  
        LowPower.powerDown(...);  
    }  
}
```

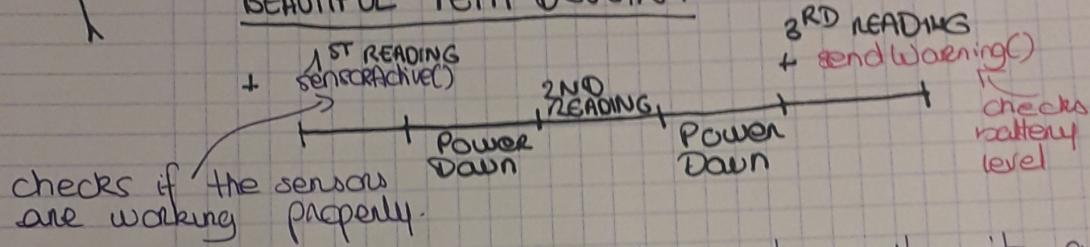
BEEP BOOP CYCLE



- I ALSO THINK THAT WE SHOULD CHECK IF THE SENSORS ARE WORKING CORRECTLY AT EACH BDP.

↳ My opinion is: we should do this on the 1ST READING.

BEAUTIFUL PETIT DESSIN:



I thought it was a good idea to put it at the beginning of the cycle since, if nothing's working, the 3 readings are useless. (2 other readings)

BEAUTIFUL PETIT CODE:

(still
on ObstacleDetected)

```

bool obstacleDetected(){
    int positive = 0;
    for (int i=0; i < numReadings; i++) {
        if (hc_read() <= threshold) {
            positive++;
        }
    }
    if (positive == 0) { // 1ST READING
        sensoractiveC;
    }
    if (i == (numReadings - 1)) {
        sendWarning();
        lowPower();
    }
}
[...]
}
```