Correction TD8 – Groupe 1
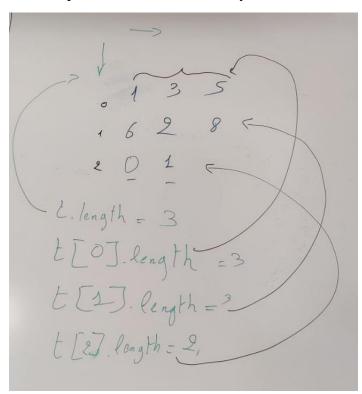
Exercise 1:

An example of a 2-dimensional array:
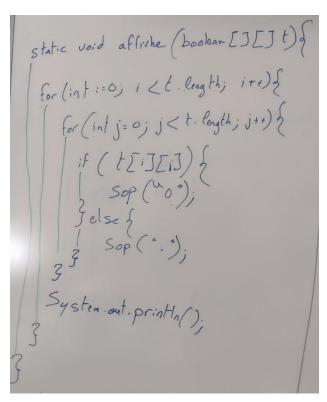

a-

b-

```
static boolean diagIdentiques (int [][] t){
    int i =1;
    while (i < t.length && t[0][0] == t[i][i]){
        i++;
    }
    if (i < t.length)
        return false;
    else
        return true;
}
```

Test if diagonal elements == t[0][0]

Exercise 2:

1-

```java
static void affiche (boolean [][] t){
    for (int i=0; i < t.length; i++){
        for (int j=0; j < t.length; j++){
            if ( t[i][j]){
                Sop ("o");
            } else {
                Sop (".");
            }
        }
        System.out.println();
    }
}
```

2-

```java
static int nbDoubles (boolean [][] t){
    int total=0;
    for (int i=0; i < t.length; i++){
        for (int j=0; j < t[i].length-1; j++){
            if ( t[i][j] && t[i][j+1]){
                total++;
            }
        }
    }
    return total;
}
```

j=1

j < t[i].length

t[i][j-1]

We compare
with the
next one.

We compare
with the previous
one