169. Majority Element:

nums = [2 , 2 , 1 , 1 , 1 , 2 , 2]

(index: 0 1 2 3 4 5 6)

```
count = 0;
major_element = nums[0];
for (i = 0    to n-1) {
    if (major_element == nums[i])
        count ++;
    else
        count --;
    if (count < 0) {
        major_element = nums[i]
        count = 1;
    }
    return major_element;
}
```

count	0 1 2 1 0 1 0 1
maj_ele	2 1 2
i	0 1 2 3 4 5 6