

- ② Find majority element which occurs more than  $n/2$  times.
- iterate and increment counter if next ele. is same, else, if count == 1 reset element, else decr. counter.
  - iterate again & and count element and check if it is greater than  $n/2$  times.

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findMajority (ent [ ] a) {
    ent e = a[0], count = 1;
    for (ent i=1; ox i < a.length; i++) {
        if (a[i] == e) count++;
        elseif (count == 1) e = a[i];
        else count--;
    }
    count = 0;
    for (ent i=0; i < a.length; i++) {
        if (a[i] == e) count++;
    }
    if (count > (n/2)) return e;
    return -1;
}

```