10. Majority elements

int main() {

}

int a[] = {2, 2, 1, 1, 1, 2, 2};

printf("%d", majority(a, sizeof(a) / sizeof(a[0])));

```
#include <stdio.h>
int majority(int a[], int n) {
  int c = 0, cnt = 0;
  for (int i = 0; i < n; i++) {
     if (cnt == 0) {
       c = a[i];
       cnt = 1;
     } else if (a[i] == c) {
       cnt++;
     } else {
       cnt--;
     }
  }
  cnt = 0;
  for (int i = 0; i < n; i++) {
     if (a[i] == c) cnt++;
  return cnt > n / 2 ? c : -1;
}
```