



PayU Backend Developer Hiring Challenge

2 Questions

Total Marks: 200.0

2 Programming Questions

1. Destroying Balls

+ 100.0

2. Killjee and subsets

+ 100.0

Next line contains N space separated integers corresponding to the color of balls.

Output Format:

For each test case, print "YES"(without quotes) if all balls can be destroyed otherwise "NO".

Constraints

$$1 \leq t \leq 200$$

$$1 \leq N \leq 1000$$

$$1 \leq A_i \leq 1000000000$$

Sample Input

```
1
6
1 3 3 6 6 6
```

Sample Output

YES

Explanation

Initially, there are 6 balls. Now, all balls having color equal to 6 are destroyed together at the same moment. Now, there are 3 balls remaining.

All balls having color equal to 3 are destroyed together at this moment. Now, there is only 1 ball remaining. All balls having color equal to 1 are destroyed together at this moment.

After this operation, all balls have been destroyed. Thus, the answer is yes.

Note: Your code should be able to convert the sample input into the sample output. However, this is not enough to pass the challenge, because the code will be run on multiple test cases. Therefore, your code must solve this problem statement.

Time Limit: 1.0 sec(s) for each input file

Memory Limit: 256 MB

Source Limit: 1024 KB

Marking Scheme: Marks are awarded if any testcase passes