

Make It

Problem

Submissions

Leaderboard

Discussions

Problem Statement

You will be given a positive integer **N**. You will start from **1** and do some steps (possibly zero).

In each step you can choose one of the following:

1. Add **3** with the current value
2. Multiply by **2** with the current value

Can you tell if you can reach **N** by using any number of steps you want.

Input Format

- First line will contain **T**, the number of test cases.
- In each test case you will be given **N**.

Constraints

1. $1 \leq T \leq 1000$
2. $1 \leq N \leq 10^5$

Output Format

- Print "**YES**" if you can reach **N**, "**NO**" otherwise.

Sample Input 0

```
5
1
3
5
15
16
```

Sample Output 0

```
YES
NO
YES
NO
YES
```

[f](#) [t](#) [in](#)

Submissions: 118

Max Score: 25

Difficulty: Easy

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C++20 ▾



```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5
6
7 int main()
8 {
9     // Write your code here
10
11     return 0;
12 }
13
```

Line: 1 Col: 1

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