Cash Multiplier

Problem Submissions Leaderboard

You are starting to play a game with an initial money of Rupees 1. In each round, you can either multiply the money you have by 10 or you can multiply it by 20. Determine whether is it possible for you to arrive at money Rupees N after a set of rounds.

Input Format

- The first line of the input contains a single integer T denoting the number of test cases. The description of T test cases follows.
- The first and only line of each test case contains a single integer N.

Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 10^{18}$

Output Format

- For each test case, print a single line containing the string "Yes" if you can make exactly N Rupees or "No" otherwise.

Sample Input 0

```
4
200
90
1000000000000
1024000000000
```

Sample Output 0

```
Yes
No
Yes
No
```

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

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