

# Reach Value

Input file:            **standard input**  
Output file:         **standard output**  
Time limit:          1 second  
Memory limit:       256 megabytes

Given a number  $N$ . Initially you have a value equal **1** and you can perform one of the following operation any number of times:

1. Multiply your current value by 10.
2. Multiply your current value by 20.

Determine if your value can reach  $N$  or not.

**Note:** Solve this problem using recursion.

## Input

First line contains a number  $T$  ( $1 \leq T \leq 100$ ) number of test cases.

Next  $T$  lines will contain a number  $N$  ( $1 \leq N \leq 10^{12}$ ).

## Output

For each test case print “**YES**” if your value can reach exactly  $N$  otherwise, print “**NO**”.

## Example

standard input	standard output
5	YES
1	NO
2	YES
10	NO
25	YES
200	