B - Express as a power b

Given a number, check if the number can be expressed as pow(a, b) where both a and b should be greater than 1.

**Input Format**

First line of input contains T - number of test cases. Its followed by T lines, each line contains a single integer N.

**Constraints**

30 points  
1 <= T <= 104  
1 <= N <= 106

70 points  
1 <= T <= 106  
1 <= N <= 108

**Output Format**

For each test case, print "Yes" if N can be expressed as pow(a, b), print "No" otherwise, separated by newline.

**Sample Input 0**

5

2

16

31

8880

961

**Sample Output 0**

No

Yes

No

No

Yes

**Explanation 0**

Self Explanatory