

CON_LOOP_Level2_017

Write a program to find whether a given number is a perfect square or not.

Input Format

First line represents the number of test cases Next lines contain the values

Constraints

The input can be large - max of 19 digits, so write an optimized solution, naive method of checking all possible values from 1 to n will not be accepted. Note : Do not use sqrt() function

Output Format

print YES or NO

Sample Input 0

```
2500
```

Sample Output 0

```
YES
```