

326. Power of Three

Easy

👍 222

💬 860

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Given an integer, write a function to determine if it is a power of three.

Example 1:

Input: 27
Output: true

Example 2:

Input: 0
Output: false

Example 3:

Input: 9
Output: true

Example 4:

Input: 45
Output: false

Follow up:

```
1 package Algorithm;
2
3 public class L326 {
4     /*
5      * 这道题目可以设置一个死循环
6      */
7     public boolean isPowerOfThree(int n) {
8         while(true) {
9             if(n == 1)
10                 return true;
11             if (n % 3 != 0 || n < 3)
12                 return false;
13             n = n / 3;
14         }
15     }
16     public static void main(String [] args) {
17         System.out.println(new L326().isPowerOfThree(27));
18     }
19
20 }
21
```