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Java   Autocomplete

231. Power of Two

Easy   👍 2818   👎 281   ♡ Add to List   ⤴ Share

Given an integer `n`, return `true` if it is a power of two. Otherwise, return `false`.

An integer `n` is a power of two, if there exists an integer `x` such that `n == 2^x`.

Example 1:

```
Input: n = 1
Output: true
Explanation: 2^0 = 1
```

Example 2:

```
Input: n = 16
Output: true
Explanation: 2^4 = 16
```

Example 3:

```
Input: n = 3
Output: false
```

Constraints:

- $-2^{31} <= n <= 2^{31} - 1$

Follow up: Could you solve it without loops/recursion?

Accepted   573,092   Submissions   1,279,433

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```java
class Solution {
    public boolean isPowerOfTwo(int n) {
        if(n <= 0)
            return false;
        else if((n & (n - 1)) == 0)
            return true;
        else
            return false;
    }
}
```

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