Problem 1952: Three Divisors

Problem Information

Difficulty: Easy
Acceptance Rate: 63.40%
Paid Only: No
Tags: Math, Enumeration, Number Theory

Problem Description

Given an integer `n`, return `true` _if_ `n` _has**exactly three positive divisors**. Otherwise, return _`false`.

An integer `m` is a **divisor** of `n` if there exists an integer `k` such that `n = k * m`.

Example 1:

Input: n = 2 **Output:** false **Explantion:** 2 has only two divisors: 1 and 2.

Example 2:

Input: n = 4 **Output:** true **Explantion:** 4 has three divisors: 1, 2, and 4.

Constraints:

* `1 <= n <= 104`

Code Snippets

C++:

```
class Solution {
public:
bool isThree(int n) {
```

```
}
};
```

Java:

```
class Solution {
public boolean isThree(int n) {

}
}
```

Python3:

```
class Solution:
def isThree(self, n: int) -> bool:
```