Problem 263: Ugly Number

Problem Information

Difficulty: Easy
Acceptance Rate: 42.81%
Paid Only: No
Tags: Math

Problem Description

An **ugly number** is a _positive_ integer which does not have a prime factor other than 2, 3, and 5.

Given an integer `n`, return `true` _if_ `n` _is an**ugly number**_.

Example 1:

Input: n = 6 **Output:** true **Explanation:** 6 = 2 × 3

Example 2:

Input: n = 1 **Output:** true **Explanation:** 1 has no prime factors.

Example 3:

Input: n = 14 **Output:** false **Explanation:** 14 is not ugly since it includes the prime factor 7.

Constraints:

* `-231 <= n <= 231 - 1`

Code Snippets

C++:

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

}
};
```

Java:

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

}
}
```

Python3:

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