

263. Ugly Number

Easy

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Write a program to check whether a given number is an ugly number.

Ugly numbers are **positive numbers** whose prime factors only include 2, 3, 5.

Example 1:

Input: 6
Output: true
Explanation: $6 = 2 \times 3$

Example 2:

Input: 8
Output: true
Explanation: $8 = 2 \times 2 \times 2$

Example 3:

Input: 14
Output: false
Explanation: 14 is not ugly since it includes another prime factor 7.

Note:

- 1 is typically treated as an ugly number.
- Input is within the 32-bit signed integer range: $[-2^{31}, 2^{31} - 1]$.

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Yes

No