

Limited Factor Number

A limited factor number is a positive integer whose factors consist only of the values 2, 3, and 5. Given a positive integer x , determine if it is a limited factor number.

Return **true** if x is a limited factor number and **false** otherwise.

Example 1:

Input: $x = 6$

Output: true

Explanation: $6 = 2 \times 3$

Example 2:

Input: $x = 1$

Output: true

Explanation: 1 has no prime factors, therefore all of its prime factors are limited to 2, 3, and 5.

Example 3:

Input: $x = 14$

Output: false

Explanation: 14 is not since it includes the prime factor 7.

Constraints:

- $-2^{31} \leq x \leq 2^{31} - 1$