

1362. Closest Divisors

Description

Given an integer `num`, find the closest two integers in absolute difference whose product equals `num + 1` or `num + 2`.

Return the two integers in any order.

Example 1:

Input: `num = 8`

Output: `[3,3]`

Explanation: For `num + 1 = 9`, the closest divisors are 3 & 3, for `num + 2 = 10`, the closest divisors are 2 & 5, hence 3 & 3 is chosen.

Example 2:

Input: `num = 123`

Output: `[5,25]`

Example 3:

Input: `num = 999`

Output: `[40,25]`

Constraints:

- `1 <= num <= 10^9`

