343. Integer Break

Difficulty: Medium

https://leetcode.com/problems/integer-break

Given an integer n, break it into the sum of k **positive integers**, where $k \ge 2$, and maximize the product of those integers.

Return the maximum product you can get.

Example 1:

Input: n = 2

```
Output: 1
Explanation: 2 = 1 + 1, 1 × 1 = 1.

Example 2:

Input: n = 10
Output: 36
Explanation: 10 = 3 + 3 + 4, 3 × 3 × 4 = 36.
```

Constraints:

• 2 <= n <= 58