## 2300. Successful Pairs of Spells and Potions

Medium Topics Companies Hint

You are given two positive integer arrays spells and potions, of length n and m respectively, where spells[i] represents the strength

You are also given an integer success. A spell and potion pair is considered **successful** if the **product** of their strengths is **at least** succes

Return an integer array pairs of length n where pairs[i] is the number of **potions** that will form a successful pair with the i<sup>th</sup> spell.

## Example 1:

```
Input: spells = [5,1,3], potions = [1,2,3,4,5], success = 7
Output: [4,0,3]
Explanation:
- 0<sup>th</sup> spell: 5 * [1,2,3,4,5] = [5,10,15,20,25]. 4 pairs are successful.
- 1<sup>st</sup> spell: 1 * [1,2,3,4,5] = [1,2,3,4,5]. 0 pairs are successful.
- 2<sup>nd</sup> spell: 3 * [1,2,3,4,5] = [3,6,9,12,15]. 3 pairs are successful.
Thus, [4,0,3] is returned.
```

## Example 2:

## **Constraints:**

```
• n == spells.length
```

```
• 1 \leftarrow n, m \leftarrow 10<sup>5</sup>
```

```
• 1 <= spells[i], potions[i] <= 10<sup>5</sup>
```

• 1 <= success <= 10<sup>10</sup>

Seen this question in a real interview before? 1/4

Yes No

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<sup>•</sup> m == potions.length