1230. Toss Strange Coins

Description

You have some coins. The `i`-th coin has a probability `prob[i]` of facing heads when tossed.

Return the probability that the number of coins facing heads equals `target` if you toss every coin exactly once.

Example 1:

```
Input: prob = [0.4], target = 1
Output: 0.40000
```

Example 2:

```
Input: prob = [0.5,0.5,0.5,0.5,0.5], target = 0
Output: 0.03125
```

Constraints:

- `1 <= prob.length <= 1000`
- `0 <= prob[i] <= 1`
- `0 <= target <= prob.length`
- Answers will be accepted as correct if they are within `10^-5` of the correct answer.