STUDENT REPORT

DETAILS

Name

MOHAMMED JAFFAR

Roll Number

TEMPBTech-CSE054

EXPERIMENT

Title

NUMBER OF COMBINATIONS LEADING TO A PRODUCT

Description

Problem Statement:

You are given an array arr and a product m. Your task is to find the number of possible unique triplets whose product of elements is m.

Input Format:

- The first line contains the integer, n
- The second line contains space seperated integers of the array, arr
- The third line contains the product m.

The input will be read from the STDIN by the candidate

Output Format:

The output consists of a single integer, i.e. the count of unique triplets having product m.

The output will be matched to the candidate's output printed on the STDOUT

Example:

Input:

7

5 3 20 10 1 4 2

60

Output:

3

Explanation:

Product m:60

Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)

The count of unique triplets is 3.

Source Code:

```
def min_sum(arr):
    arr.sort(reverse=True)
    total = arr[0]
    avg = arr[0]

    for i in range(1, len(arr)):
        if arr[i] < avg:
            break
        total += arr[i]
        avg = (total) / (i + 1)

    return total

n = int(input())
arr = list(map(int, input().split()))

result = min_sum(arr)
print(result)
```

RESULT

0 / 6 Test Cases Passed | 0 %