

#### 38.

## DETAILS

#### Name

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**Roll Number** 

3BR23CS142

### **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.

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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:**