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STUDENT REPORT	KN873Ct
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DÊTAILS Name SHIVAKUMAR B V	23CSt133XLISTA
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	UR ¹³ CSE ¹³³ LUR ¹
EXPERIMENT, 2005 1,33 Live	33C5E'
Title NUMBER OF COMPINITIONS LEADING TO A PRODUCT	J812 SE1
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EXPERIMENT Title NUMBER OF COMBINATIONS LEADING TO A PRODUCT Problem Statement:	35 ⁴¹ 33 ⁴¹ 87 ³ 25 ⁴¹
Description Description Control Contro	; £1333 Kui
Problem Statement:	5K1,5
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:	C.
Input Format:	Anguace.
The first line contains the integer, n	
 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. 	, 2 ²
The input will be read from the STDIN by the candidate	3CSK1,33
Output Format:	
Output Format: The output consists of a single integer, i.e. the count of unique triplets having product m.	333 K182,
The output will be matched to the candidate's output printed on the STDOUT	33
Example: Input:	
Light Input:	305(5)
7	58° L
5 3 20 10 1 4 2 60	100
60	£ 1338 T
Output:	35
Sulphi.	ž
Explanation:	H363k
Product m:60	\&\rangle
Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	. 33
The count of unique triplets is 3.	\$ C835 \
Source Code: LIB ²³ CSL	E PARTY BE

```
def count_triplets(arr, n, m):
       unique_triplets = set()
       for i in range(n):
           for j in range(i + 1, n):
               for k in range(j + 1, n):
                   if arr[i] * arr[j] * arr[k] == m:
                       triplet = tuple(sorted([arr[i], arr[j], arr[k]]))
                       unique_triplets.add(triplet)
       return len(unique_triplets)
   # Input Reading
   n = int(input())
   arr = list(map(int, input().split()))
   m = int(input())
   result = count_triplets(arr, n, m)
   print(result)
RESULT
 6 / 6 Test Cases Passed | 100 %
```