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3R1	3BR23CD080 (PERIMENT) Cle NUMBER OF COMBINATIONS LEADING TO A PRODUCT 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	J 38R'
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)G*	NUMBER OF COMBINATIONS LEADING TO A PRODUCT	BR230.
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0	Problem Statement:	300080
3R23CD06	roa are given an analy an analy product in roan tack to the matter of possible anique improte whose product of	
	Input Format:	3803BR1
~	The first line contains the integer, n	500
,c108035	 The second line contains space seperated integers of the array, arr The third line contains the product m. 	9
,C ^v	The input will be read from the STDIN by the candidate	BRIZCO
900	Output Format:)
303BR23	The output consists of a single integer, i.e. the count of unique triplets having product m.	00
0	The output will be matched to the candidate's output printed on the STDOUT	3CD0803
-00°	Example:	
3R23CD05	Input:	38 3BR2
	7	,80
,c008038	5 3 20 10 1 4 2	
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(Output:	BELL
38223	3	Q
	Explanation:	(B) B) (S)
	Product m:60	,50
	Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	200
	The count of unique triplets is 3.	SO SON
\$	Source Code: Set 1 Set	

```
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 %
```