PATech	ETAILS Name Notice Control of the C	, S ^v
Blech	STUDENT REPORT	NP ^E
8	Name Notice Control of the Control o	289
Ď	DETAILS NOTE OF THE PROPERTY O	,
089	Name notice that the second of	CSEO
	Allikulu	J.c.
kechi.cs	Roll Number Charles Street Str	~ < ¢
<00	TEMPBTech-CSE089	EMPB,
Ę	EXPERIMENT LOS MEDICOLOS LEGIS LEGIS LEGIS CONTROL SOLITOR CON	9
TIME TO	itle chics the steel steel steels the steel steel steel steels the steel	280
)	NUMBER OF COMBINATIONS LEADING TO A PRODUCT	w.cst.
chics ^{EOS}	TEMPBTech-CSE089 EXPERIMENT Title 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 elements is m.	5*
50°,	Description of the second of t	MRBTech
	Problem Statement:	WE
EMPBIC	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.	Z.C
	Input Format:	5E0897E
0	• The first line contains the integer, n	
CSE089	The second line contains space seperated integers of the array, an The third line contains the product m.	Steen cf.
	The input will be read from the STDIN by the candidate	Stech
RBTech	Output Format:	4
PB	The output consists of a single integer, i.e. the count of unique triplets having product m.	SO LEMP
	The output will be matched to the candidate's output printed on the STDOUT	385
£089 (£)	Example:	£C
.50		echicsto
C	7	
Jech C.	5 3 20 10 1 4 2 60	RR
		SHARRE
EMP	3	
^*	Explanation:	CELES TO
	Product m:60	EX
	Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2)	, acc
	The count of unique triplets is 3.	Melale
	Possible triplets for product m: (5,4,3),(20,3,1), (10,3,2) The count of unique triplets is 3. Source Code: The count of unique triplets is 3.	S. E. S.

```
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 %
              objec
```