Logo STUDENT REPORT DETAILS Roll Number NAGARAJ Y PATIL UBL 00 KD KUBI £090 **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 POKUBI 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 5E090 KU Output Format: 3E090 KÜ 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 KUB13CE Example: Input: 7 532010142 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 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 %
```

90 Kr

acsev

LUB.

1090

2230

90 F

CSE

KUB.

SE093