STUDENT REPORT

DETAILS Roll Number Name MEHABOOB BASHA **EXPERIMENT** Title NUMBER OF COMBINATIONS LEADING TO A PRODUCT .022 KUB23EE4022 Description Source Code: Problem Statement def find_unique_triplets(arr, m): arr.sort() You are given an array arr and a product m. Your task is to find the number of possible unique triplets whose product unique_triplets = set() of elements is m. for i in range(n - 2): Input Format: a = arr[i] left = i + 1 • The first line contains the integer, n right = n - 1 • The second line contains space seperated integers of the array, arr while left < right: • The third line contains the product m. b = arr[left] c = arr[right] The input will be read from the STDIN by the candidate product = a * b * c Output Format: if product == m: unique_triplets.add((a, b, c)) The output consists of a single integer, i.e. the count of left += 1 right -= 1 unique triplets having product m. elif product < m: The output will be matched to the candidate's output printed left += 1 on the STDOUT else: Example: return len(unique_triplets) Input: import sys input = sys.stdin.read data = input().strip().splitlines() 5 3 20 10 1 4 2 n = int(data[0]) 60 arr = list(map(int, data[1].split())) m = int(data[2]) Output: result = find_unique_triplets(arr, m) print(result) 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. EEEDZAUB ZEEEDZ CERTIFIED THE CONTROL OF THE CERTIFIED THE C 6 / 6 Test Cases Passed | 100 %