(×	Logo √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	
,23EC	CEOLO STUDENT REPORT OF THE PORT OF THE PO	050 t)
	STODEIVI THE TONIES TO SEE	3 to Cho
5020 E		(UB235
	Name 33th habit Lebit 1875 1875 1865 1875	0504
F7853E	P KARTHIK SAI	
FZ	Roll Number	- FCFO
	KUB23ECE026	3,
st to E	EXPERIMENT (LONG) BUSH OF THE POLICY OF THE	472
	Fittle LONG MARSHELL LONG ME LONG MARSHELL LUBER LUBER LONG MARSHELL LUBER LUB	CEOSO
NB	SUM OF NUMBERS AT PRIME FACTORS	, C
320	EXPERIMENT Fitle, 10 SUM OF NUMBERS AT PRIME FACTORS Description LOS ALLES AND ALL	K1823EC
JB23ECE	Prime factors of a positive integer are the prime numbers that divide that integer exactly.	
1853°	Given an array arr of n integers and a positive integer num.	FCFOZO
	Let's suppose prime factorization of num is: $n^a v a^b v r^c v = v a^f$ where n a rivia are prime numbers	*CK
26	Sum of numbers in array arr at indices of prime factors of number num is: $a \times arr[p] + b \times arr[q] + c \times arr[r] + + f \times arr[z]$.	
CEORG	You are given an array arr of size n and a positive integer num. You are required to calculate the sum of numbers in arr as mentioned above, and print the same.	POFILBY
F/BS;	Note:	
6 th	 If arr is empty, print -1. If prime factor of num not found as indices, print 0. 	823ECE
, 0	nput Format:	
236/60	The input consists of three lines:	4
£020 4)	 The first line contains an integer, i.e. n. The second line contains an array arr of length of n. The third line contains an integer num 	5020
4050	The input will be read from the STDIN by the candidates.	100°
	Output Format:	SEE
KUB23E	Print the sum that was mentioned in the problem statement.	
47,	Example:	WELL BO.
	· Input:	8
	6	
	11 21 32 45 1 23	,036 del
	6	>
	Output:	.00
	77	;:0883K
	Explanation:	>"

```
6=2^1 \times 3^1
    sum=1*arr[2]+1*arr[3]=1*32+1*45=77
  Source Code:
    import math
    def isPrime(n):
        for i in range(2,int(math.sqrt(n))):
           if n%i==0:
               return False
        return True
    N = int(input())
    A = list(map(int,input().strip().split()))[:N]
    P = int(input())
    numsP = dict()
    for i in range(2,P+1):
        while isPrime(i) and P%i==0 :
            if i in numsP:
                numsP[i]+=1
            else :
               numsP[i]=1
            P=P//i
    answer = 0
    for key,value in numsP.items():
        if key
RESULT
```

5 / 5 Test Cases Passed | 100 %