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of 3BRI	SUM OF NUMBERS AT PRIME FACTORS POR PRIME FACTOR	
F	EXPERIMENT COORDINATE	2500
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3823	SUM OF NUMBERS AT PRIME FACTORS	BRIS
	Description COO TOO TOO TOO TOO TOO TOO TOO TOO TOO	3069
000	EXPERIMENT  SUM OF NUMBERS AT PRIME FACTORS  Prime factors of a positive integer are the prime numbers that divide that integer exactly.	~
,550	Prime factors of a positive integer are the prime numbers that divide that integer exactly.	3R13C504
	Given an array arr of n integers and a positive integer num.	8
on 3BRN	Let's suppose prime factorization of num is: $p^a x q^b x r^c x x z^f$ , where p,q,rz are prime numbers.	3
5	Sum of numbers in array arr at indices of prime factors of number num is: a $x arr[p] + b x arr[q] + c x arr[r] + + f x arr[z]$ .	,C5069 359
S	above and print the same	
3R73C5	Note:	aR23
	• If arr is empty, print -1.	38R223
5000	If prime factor of num not found as indices, print 0.	
Scsolo	Input Format:	3R23C504
	The input consists of three lines:	8RL
3BR)	<ul> <li>The first line contains an integer, i.e. n.</li> <li>The second line contains an array arr of length of n.</li> </ul>	
0	The third line contains an integer num	, C5069 35
	The input will be read from the STDIN by the candidates.	,
382355	Output Format:	~ ~ ~
3/2	Print the sum that was mentioned in the problem statement.	O CORPERO
c	Example:	۶
	Input:	C30.
	6	338 B
	11 21 32 45 1 23	
	6	Con Control of the Co
	Output:	Liber
	77	(A)
	Explanation:	63B3B)**
		. (0))~

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Source Code:
 from collections import defaultdict
 def prime_factors(num):
     factors=defaultdict(int)
     while num%2==0:
         factors[2]+=1
         num//=2
     for i in range(3,int(num**0.5)+1,2):
         while num%i==0:
             factors[i]+=1
         num//=i
     if num>2:
         factors[num]+=1
     return factors
 def calculate_prime_index_sum(arr,num):
     if not arr:
         return -1
      factors=prime_factors(num)
      total_sum=0
     valid_prime_found=False
      for prime,power in factors.items():
          if prime
```

RESULT

0 / 5 Test Cases Passed | 0 %

20

60,3

SO

BRI

(0)

300

aBRIV

200