.5.	□ Logo	
3230	STUDENT PROPERTY OF STATE OF S	120 to
	STUDENT REPORT TO STUDENT STUDENT REPORT TO STUDENT	55k.
E TO D	DETAILS 2 CELTS AND AND 2 CELTS AND 2 CELT	c C
	DETAILS?	F1853
, 0	STUDENT REPORT, NO KURA 25 CELLO KURA 25 CEL	50
FAB53C	OWNIE SOMMATA	
+	20 L St . 18 . 19	73C5k
60	KUB23CSE150	
3CSEASO	XPERIMENT LINE NOTE OF THE SECTION O	LUBI
	itle to 1803 Set In the Set of th	CE150
NB)	SUM OF NUMBERS AT PRIME FACTORS	?
120 to	XPERIMENT ittle SUM OF NUMBERS AT PRIME FACTORS Description Line 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	23056
	Description Service Reservice Reserv	FUBL
5823C5K		
785	Given an array arr of n integers and a positive integer num.	SEISO
	Let's suppose prime factorization of num is: $p^a \times q^b \times r^c \times \times z^f$, where p,q,rz are prime numbers.	, ,
5E150*	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].	23
	above, and print the same.	30 F7853
O 1/1823	Note:	<
oto	 If arr is empty, print -1. If prime factor of num not found as indices, print 0. 	1823C5E1
CH.	Input Format:	
2300	The input consists of three lines:	50 to
	 The first line contains an integer, i.e. n. The second line contains an array arr of length of n. 	3k150 XV
£150 £13	The second line contains an array arror length of h. The third line contains an integer num	, (
475	The input will be read from the STDIN by the candidates.	i Millian Co
	Output Format:	53
18230	Print the sum that was mentioned in the problem statement.	036
F	Example:	123 ESB 236
	· Input:	N.
	6	SHIP
	11 21 32 45 1 23	675°C
	6	
	Output:	强胜敌人
	77	SENIE STATE
	Explanation:	

```
6=2^1 \times 3^1
    sum=1*arr[2]+1*arr[3]=1*32+1*45=77
  Source Code:
    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
        {\tt 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 %