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, KJB	Name	FIBE SEOWN IS	23° AAT	3c5k2 1/1811
×	J GHANITHA SHINLL	.10		
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i3 CSE	KUB23CSE044	r va co	F ₂ /	5 _{1,3}
		3CSEO. KIBUS	EE044 . 82305	AA KUT 3CSEON
	Title SUM OF NUMBERS AT PRIME FACTORS	OAA KUBP3CS SEOAA KUSP	LIBP3CSEDAA KUBP3CSEDAA KUBP3CSEDAA K	23csEONA KUT A KUB23csEO
OAA	SUM OF NUMBERS AT PRIME FACTORS	DAA JB23C	E SCENE	JBI SEDAA
	2	OAA TO 33CSEC	L KUBIL SEDAM	UB23Ct CAALO
. (Description	"C25, Tilb,	-£0Ah	UB23C3
J823°	Prime factors of a positive integer are th	e prime numbers that divide that	integer exactly.	c s ^{k,C}
	Given an array arr of n integers and a pos	sitive integer num.		8 ²³
Q.A.	Let's suppose prime factorization of nun	n is: $p^a x q^b x r^c x x z^f$, where p,	q,rz are prime numbers.	
SEOA	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].			
	You are given an array arr of size n and a p above, and print the same.	ositive integer num. You are require	d to calculate the sum of numb	
AKUB	Note:			300
	• If arr is empty, print -1.	s indices, print 0.		LURP3c
13°55	Input Format:			
,23	The input consists of three lines:			5c5EDAA
OAA	 The first line contains an integer, i.e. The second line contains an array a The third line contains an integer n 	arr of length of n.		A TUE?
	The input will be read from the STDIN by th	ne candidates.		A.C.
3	Output Format:			
JB	Print the sum that was mentioned in the pr	oblem statement.		3CSEC
	Example:			3AL
	Input:			, i
	6			OG CE TO
	11 21 32 45 1 23			§ ⁴
	6			.6
	Output:			a what sa
	77			,*
	Explanation:			.6

sum=1*arr[2]+1*arr[3]=1*32+1*45=77

```
Source Code:
```

11823°

NRA 3

BREE

10 4 Cl. 29 K

C KOIR

4 0138 30.5 400

```
import math
   def isprime(n):
       if n<=1:
           return False
       for i in range(2, int(math.sqrt(n))+1):
           if n%i==0:
               return False
       return True
   N=int(input())
   if N==0:
       print(-1)
       exit()
   A=list(map(int,input().split()))[:N]
   p=int(input())
   numsp={}
   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//=i
   answer=0
   for key, value in numsp.items():
RESULT
```

~ n

2 / 5 Test Cases Passed | 40 %

CSEC

LUBI

LOAA

30-

42.

SEO

BZ

COAA

13°