	□ Logo	a'V
3B223WK	STUDENT REPORT	, Br
D	ETAILS OF SERVICE SERVICE STATES	3ME021'S
.02	Name 3423 1 34 1 34 1 34 1 3 1 1 1 1 1 1 1 1 1 1	2873
	Syed Rahamatulla	30
227	Roll Number 36 123 123 123 123 123 123 123 123 123 123	2,
327 3BR2	3BR23ME021	
EX	XPERIMENT NEW AND	BEZZAN
	SUM OF NUMBERS AT PRIME FACTORS	2234
3ME021?	tle  SUM OF NUMBERS AT PRIME FACTORS THE SAME OF SHEET	ME
3ME	Prime factors of a positive integer are the prime numbers that divide that integer exactly.	aR23h
	Given an array arr of n integers and a positive integer num.	, ,
32 <sup>2</sup> 3BR <sup>2</sup>	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.	0^
32	Sum of numbers in array arr at indices of prime factors of number num is: $a \times arr[p] + b \times arr[q] + c \times arr[r] + + f \times arr[z]$ .	23ME02
3R23ME	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.	
3R	Note:	:0213BP
MEDZIS	<ul> <li>If arr is empty, print -1.</li> <li>If prime factor of num not found as indices, print 0.</li> </ul>	
MEON	Input Format:	3BR23M
	The input consists of three lines:	Ber
13BR23	<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> <li>The third line contains an integer num</li> </ul>	3ME027
~	The input will be read from the STDIN by the candidates.	V
5R23ME0	Output Format:	dR.
5	Print the sum that was mentioned in the problem statement.	MARIORA
38	Example:	,
	Input:	BRA
	6	314231
	11 21 32 45 1 23	
	6	ANA TO
	Output:	BRACE
	77	4
	Explanation:	MEGHA

## Source Code:

3BR23

(03/d P2)

200E)

BR

103BR

2 RARDON

```
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().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():
    if key < N:
        answer += value * A[key]
        answer = 0
        break
print(answer)
```

RESULT

1 / 5 Test Cases Passed | 20 %

KO2, 8734

38°

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MEON

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38