• The third line contains an integer num

The input will be read from the STDIN by the candidates.

Output Format:

Print the sum that was mentioned in the problem statement.

Example:

Input:

6

11 21 32 45 1 23

6

Output:

77

Explanation:

, \$<u>\</u>

```
6=2<sup>1</sup> x 3<sup>1</sup>
sum=1*arr[2]+1*arr[3]=1*32+1*45=77
```

0828211

```
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

4 / 5 Test Cases Passed | 80 %

.022

470

1024

230-

2

SEO

1823

https://practice.reinprep.com/student/get-report/2dd9d00c-7bd6-11ef-ae9a-0e411ed3c76b