77

Explanation:

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

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 < len(arr):</pre>
           total_sum += power * arr[prime]
            valid_prime_found = True
   return total_sum if valid_prime_found else 0
if __name__ == "__main__":
   n = int(input())
   arr = list(map(int, input().split()))
   num = int(input())
   result = calculate_prime_index_sum(arr, num)
   print(result)
```

RESULT

4 / 5 Test Cases Passed | 80 %

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