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:** 

```
def prime_factors(num):
    factors = {}
    d = 2
    while d * d <= num:
        while (num \% d) == 0:
            if d in factors:
                factors[d] += 1
            else:
                factors[d] = 1
            num //= d
       d += 1
    if num > 1:
       factors[num] = 1
    return factors
def calculate_sum(arr, num):
    if len(arr) == 0:
       return -1
    factors = prime_factors(num)
    total_sum = 0
    for prime, exponent in factors.items():
       index = prime
        if index < len(arr):</pre>
            total_sum += exponent * arr[index]
    return total_sum if total_sum != 0 else 0
n = int(input().strip())
arr = list(map(int, input().strip().split()))
num = int(input().strip())
result = calculate_sum(arr, num)
print(result)
```

KESULI

4 / 5 Test Cases Passed | 80 %

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