Explanation:

1

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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 %

4/ 3 Test Cases Fasseu | 60 %