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):

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)