	<b>₽Logo</b>	P
3BK	STUDENT REPORT 12 38 PLANT SERVICE STUDENT REPORT 12 38 PLANT SERVICE	12 3BR23'
23A D	STUDENT, REPORT, 12.3842.341.17.3842.341.1	BR23A117
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Ti	XPERIMENT 38473 ALT 38473 ALT 38473 ALT 1238473 ALT 12	J 38R231
R23A17	Description And And And And And And And And And An	3BR23A111
,A17123R	Prime factors of a positive integer are the prime numbers that divide that integer exactly.  Given an array arr of n integers and a positive integer num.	3A11235
	Latia auppaga prima factorization of num io: nav ab v rCv v of	3AIT
123BR23		_0
	above, and print the same.	(123BR)
3R23A11	Note:	. ^
aRel	<ul> <li>If arr is empty, print -1.</li> <li>If prime factor of num not found as indices, print 0.</li> </ul>	3BR23A1
12	Input Format:	o
3AIN	The input consists of three lines:	2172
12 3BR)	<ul> <li>The first line contains an integer, i.e. n.</li> <li>The second line contains an array arr of length of n.</li> <li>The third line contains an integer num</li> </ul>	13,
7	The input will be read from the STDIN by the candidates.	2 Prate
^	Output Format:	<b>b</b>
3BR23A	Print the sum that was mentioned in the problem statement.	and the same of th
5	Example:	130 Red
	Input:	•
	6	AEC
	11 21 32 45 1 23	Defer
	6	
	Output:	12730
	77	53,

Explanation:

183h

2/3/0/2

```
Source Code:
```

```
def prime_factors(n):
   factors = {}
   while n % 2 == 0:
       if 2 in factors:
           factors[2] += 1
        else:
            factors[2] = 1
       n//= 2
   for i in range(3, int(n**0.5) + 1, 2):
       while n % i == 0:
           if i in factors:
               factors[i] += 1
            else:
               factors[i] = 1
            n //= i
        if n > 2:
            factors[n] = 1
        return factors
def calculate_weighted_sum(arr, num):
   if not arr:
       return -1
```

RESULT

0 / 5 Test Cases Passed | 0 %

BR2's

1230

factors = prime\_factors(num)

117

238

384

12

~23A

36

BRIV

12381