

Statement

Submissions

Your score

not attempted

Spoilers

 Show difficulty  Show tags

solved by 7 / 8

## Top users by time

#	User	Time
1	Raphela	48 ms
2	Nakami	93 ms
3	AhmadRomy	101 ms
4	bagasangga	102 ms

## Top users by memory

#	User	Memory
1	ftri	776 KB
2	AhmadRomy	780 KB
3	bagasangga	780 KB
4	zhoelzx	784 KB
5	nandonathaniel	840 KB

## Submission #4626921

Arkavidia 9.0 - Penyisihan CP / E. Eksaminasi Tahap Akhir

Accepted • Raphela • C++20 • November 16, 2025 at 10:31:51

▶ Sample Test Data Results



▶ Test Data Results



```

1 #include <bits/stdc++.h>
2 using namespace std;
3 using ull = __uint128_t;
4
5 ull pow_ull(ull long long base, int exp) {
6     ull res = 1;
7     ull b = base;
8     while (exp > 0) {
9         if (exp > 1) res *= b;
10        b *= b;
11        exp >>= 1;
12    }
13    return res;
14}
15
16 void print_ull(ull x) {
17     if (x == 0) {
18         cout << 0;
19     } else {
20         int d = (int)(x % 10);
21         s.push_back('0' + d);
22         x /= 10;
23     }
24     reverse(s.begin(), s.end());
25     cout << s;
26 }
27
28 int main() {
29     ios::sync_with_stdio(false);
30     cin.tie(nullptr);
31
32     int N;
33     if (!(cin >> N)) return 0;
34
35     const int MAXP = 1000000;
36     vector<int> primes;
37     vector<bool> is_composite(MAXP + 1);
38     for (int i = 2; i <= MAXP; ++i) {
39         if (!is_composite[i]) {
40             primes.push_back(i);
41             if (1LL * i * i <= MAXP) {
42                 for (int j = i * i; j <= MAXP; j += i)
43                     is_composite[j] = true;
44             }
45         }
46     }
47     ...
48     ...
49     cin >> X;
50     long long n = X;
51     vector<pair<long long, int>> fac;
52
53     for (int p : primes) {
54         if (1LL * p * p > n) break;
55         if (n % p == 0) {
56             int e = 0;
57             while (n % p == 0) {
58                 n /= p;
59                 ++e;
60             }
61             fac.push_back({p, e});
62         }
63     }
64     if (n > 1) fac.push_back({n, 1});
65
66     if (fac.empty()) {
67         cout << -1 << '\n';
68         continue;
69     }
70
71     long long p = pr.first;
72     int e = pr.second;
73     ys.push_back(pow_ull(p, e + 1));
74 }
75
76 sort(ys.begin(), ys.end(), [] (ull a, ull b){ return a < b; });
77
78 for (size_t i = 0; i < ys.size(); ++i) {
79     if (i) cout << ' ';
80     print_ull(ys[i]);
81 }
82
83 cout << '\n';
84
85 return 0;
86 }
```

