

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	fttri	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 u128 = __uint128_t;
4
5 u128 pow_u128(unsigned long long base, int exp) {
6     u128 res = 1;
7     u128 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_u128(u128 x) {
17     if (x == 0) {
18         cout << 0;
22        while (x > 0) {
23            int d = (int)(x % 10);
24            s.push_back('0' + d);
25            x /= 10;
26        }
27        reverse(s.begin(), s.end());
28        cout << s;
29    }
30 }
31
32 int main() {
33     ios::sync_with_stdio(false);
34     cin.tie(nullptr);
35
36     int N;
37     if (!(cin >> N)) return 0;
38
39     const int MAXP = 1000000;
40     vector<int> primes;
41     vector<bool> is_composite(MAXP + 1);
42     for (int i = 2; i <= MAXP; ++i) {
43         if (!is_composite[i]) {
44             primes.push_back(i);
45             if (1LL * i * i <= MAXP) {
46                 for (int j = i * i; j <= MAXP; j += i)
47                     is_composite[j] = true;
48             }
49         }
50     }
51     cin >> X;
52     long long n = X;
53     vector<pair<long long, int>> fac;
54
55     for (int p : primes) {
56         if (1LL * p * p > n) break;
57         if (n % p == 0) {
58             int e = 0;
59             while (n % p == 0) {
60                 n /= p;
61                 ++e;
62             }
63             fac.push_back({p, e});
64         }
65     }
66     if (n > 1) fac.push_back({n, 1});
67
68     if (fac.empty()) {
69         cout << -1 << '\n';
70         continue;
71     }
72
73     long long p = pr.first;
74     int e = pr.second;
75     ys.push_back(pow_u128(p, e + 1));
76
77     sort(ys.begin(), ys.end(), [](u128 a, u128 b){ return a < b; });
78
79     for (size_t i = 0; i < ys.size(); ++i) {
80         if (i) cout << ' ';
81         print_u128(ys[i]);
82     }
83     cout << '\n';
84 }
85
86 return 0;
87 }
```

