Deret Prima

| Problem | Submissions | Discussions |

Pak Dengklek memberikan sebuah tugas kepada Defrian untuk mencari sederetan bilangan prima dibawah sebuah angka yang diberikan. Bantulah Defrian untuk menyelesaikan tugas yang telah diberikan Pak Dengklek !

Input Format

Sebuah bilangan bulat N yang menyatakan batas akhir sederetan bilangan prima
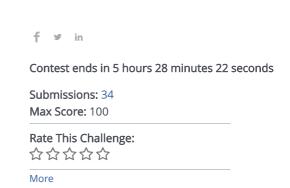
Constraints

$1 \le N \le 10^6$

Output Format

Sekumpulan bilangan prima yang berurutan sebelum N

Sample Input 0

```
10
```

Sample Output 0

```
2 3 5 7
```

f 𝕏 in

Contest ends in 5 hours 28 minutes 22 seconds

Submissions: 34
Max Score: 100

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More

Current Buffer (saved locally, editable) ⎇ ⟳   C++14 ⌄   ⛶ ⚙

```cpp
1  #include <bits/stdc++.h>
2
3  using namespace std;
4
5  /** START OF TEMPLATE DEBUGGER **/
6  #define sim template < class c
7  #define ris return * this
8  #define dor > debug & operator <<
9  #define eni(x) sim > typename \
10    enable_if<sizeof dud<c>(0) x 1, debug&>::type operator<<(c i) {
11  sim > struct rge { c b, e; };
12  sim > rge<c> range(c i, c j) { return rge<c>{i, j}; }
```

```cpp
13  sim > auto dud(c* x) -> decltype(cerr << *x, 0);
14  sim > char dud(...);
15  struct debug {
16  #ifdef LOCAL
17  ~debug() { cerr << endl; }
18  eni(!=) cerr << boolalpha << i; ris; }
19  eni(==) ris << range(begin(i), end(i)); }
20  sim, class b dor(pair < b, c > d) {
21    ris << "(" << d.first << ", " << d.second << ")";
22  }
23  sim dor(rge<c> d) {
24    *this << "[";
25    for (auto it = d.b; it != d.e; ++it)
26      *this << ", " + 2 * (it == d.b) << *it;
27    ris << "]";
28  }
29  #else
30  sim dor(const c&) { ris; }
31  #endif
32  };
33  #define imie(...) "[" << #__VA_ARGS__ ": " << (__VA_ARGS__) << "] "
34  /** END OF TEMPLATE DEBUGGER **/
35
36  const int N = 1e8 + 5;
37
38  bitset<N> not_prime;
39
40  int main() {
41      ios_base::sync_with_stdio(0);
42      cin.tie(0);
43      cout.tie(0);
44
45      for (int i = 2; i < N; i++) {
46          if (not_prime[i]) continue;
47          for (int j = i + i; j < N; j += i) {
48              not_prime[j] = 1;
49          }
50      }
51      int n;
52      cin >> n;
53      for (int i = 2; i < n; i++) {
54          if (not_prime[i]) continue;
55          cout << i << ' ';
56      }
57      cout << '\n';
58
59      return 0;
60  }
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

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