Problem Link:

<https://codeforces.com/problemset/problem/472/A>

Solution:

* **#include <bits/stdc++.h>**
* **using namespace std;**
* **int main() {**
* **int n;**
* **cin >> n;**
* **vector<bool> v(n + 1, false);**
* **for(int i = 2; i \* i <= n; i++)**
* **{**
* **if(!v[i])**
* **{**
* **for(int j = i \* i; j <= n; j += i)**
* **{**
* **v[j] = true;**
* **}**
* **}**
* **}**
* **for(int x = 4; x <= n / 2; ++x)**
* **{**
* **int y = n - x;**
* **if(v[x] && v[y])**
* **{**
* **cout << x << " " << y << endl;**
* **return 0;**
* **}**
* **}**
* **return 0;**
* **}**