Problem Link:

<https://codeforces.com/problemset/problem/977/C>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** n, k;
* cin >> n >> k;
* **vector<int>** v(n);
* **for**(**int** i = 0; i < n; ++i)
* cin >> v[i];
* sort(v.begin(), v.end());
* **if**(k == 0)
* {
* **if**(v[0] > 1)
* cout << v[0] - 1 << **"\n"**;
* **else**
* cout << **"-1\n"**;
* }
* **else** **if**(k <= n)
* {
* **int** x = v[k - 1];
* **if**(k == n || v[k] > x)
* cout << x << **"\n"**;
* **else**
* cout << **"-1\n"**;
* }
* **else**
* {
* cout << **"-1\n"**;
* }
* **return** 0;
* }