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| --- |
| #include <algorithm> |
|  | #include <iostream> |
|  | #include <string> |
|  | #include <vector> |
|  | using namespace std; |
|  |  |
|  | int main() { |
|  | int N; |
|  | while (cin >> N) { |
|  | int mn = 0; |
|  | vector<int> v; |
|  | for (int i = 0; i < N; i++) { |
|  | string s; |
|  | cin >> s; |
|  | v.push\_back(s.size()); |
|  | mn = max(mn, v.back()); |
|  | } |
|  |  |
|  | int ret = 0, retw = -1; |
|  | for (int w = mn; ; w++) { |
|  | vector<int> cur(w), next(w); |
|  | int cs = -1, nline = 1; |
|  | for (int vi = 0; vi < v.size(); vi++) { |
|  | if (cs+v[vi] >= w) { |
|  | cur.swap(next); |
|  | next = vector<int>(w); |
|  | cs = -1; |
|  | nline++; |
|  | } |
|  | if (cs >= 0) { |
|  | next[cs] = max(cur[cs-1]+1, max(cur[cs]+1, cur[cs+1]+1)); |
|  | if (next[cs] > ret) { ret = next[cs]; retw = w; } |
|  | } |
|  | cs += v[vi]+1; |
|  | } |
|  | if (ret >= nline) break; |
|  | } |
|  | cout << retw << ' ' << ret << endl; |
|  | } |
|  | } |