Problem Link:

<https://codeforces.com/problemset/problem/499/B>

Solution:

* **#include**<bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** n, m;
* cin >> n >> m;
* **map**<string, string> t;
* **for**(**int** i = 0; i < m; ++i)
* {
* string a, b;
* cin >> a >> b;
* t[a] = b;
* }
* **vector<string>** l(n);
* **for**(**int** i = 0; i < n; ++i)
* {
* cin >> l[i];
* }
* **vector<string>** v;
* **for**(**const** string& word : l)
* {
* string f = word;
* string s = t[word];
* **if**(f.length() <= s.length())
* {
* v.push\_back(f);
* }
* **else**
* {
* v.push\_back(s);
* }
* }
* **for**(**int** i = 0; i < n; ++i)
* {
* cout << v[i] << **" "**;
* }
* cout << **"\n"**;
* **return** 0;
* }