class Solution {

public:

string longestCommonPrefix(vector<string>& strs) {

if(strs.empty()) return "";

string res = strs[0];

for(auto s: strs) res = match(res, s);

return res;

}

string match(const string& pre, const string& s){

int i = 0, len = min(pre.size(), s.size());

for(; i < len; i++) if(s[i] != pre[i]) break;

return pre.substr(0, i);

}

};