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Given an array of strings, group anagrams together.

For example, given: ["eat", "tea", "tan", "ate", "nat", "bat"],

Return:

[

["ate", "eat","tea"],

["nat","tan"],

["bat"]

]

Note: All inputs will be in lower-case.

map在本题特别好用map<string,vector<string>> mv

it->first存字符串排序后的字符串

it->second是一个vector<string>，把排序后符合的加进去就ok

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class Solution {

public:

vector<vector<string>> groupAnagrams(vector<string>& strs)

{

vector<vector<string>> result;

if(strs.size()==0)

return result;

map<string,vector<string>> mv;

string temp;

for(int i=0;i<strs.size();i++)

{

temp=strs[i];

sort(strs[i].begin(),strs[i].end());//字符串本身排序

mv[strs[i]].push\_back(temp);

}

for(map<string,vector<string>>::iterator it=mv.begin();it!=mv.end();it++)

result.push\_back(it->second);

return result;

}

};