剑指38 字符串的排列

回溯法+剪枝！！好好学

已经收录 002 回溯法总结

```cpp
class Solution {
public:

    vector<string> res;
    vector<bool> used;
    string path;
    void backtrack(string s) {
        if(s.size() == path.size()) {
            res.push_back(path);
            return;
        }

        for(int i = 0; i < s.size(); i++) {
            if(!used[i]) {
                if(i != 0 && s[i] == s[i - 1] && used[i-1] == false) {
                    continue;
                }
                path.push_back(s[i]);
                used[i] = true;
                backtrack(s);
                used[i] = false;
                path.pop_back();
            }
        }
    }

    vector<string> permutation(string s) {
        used = vector<bool>(s.size(), false);
        sort(s.begin(), s.end());
        backtrack(s);
        return res;
    }
};
```