1 斐波那契数列 /////////////////////////// 非递归/递归  
2 经典3Sum /////////////////////////// Output Non-DESC  
3 Two Sum K pair /////////////////////////// Sort -> Two Pointer  
4 Climbing Stairs /////////////////////////// DP, Permutation  
5 Trapping Rain Water /////////////////////////// Left->Right, Right->Left  
6 Largest Number /////////////////////////// Override Comparator / Sort  
7 String Compression /////////////////////////// Compare Length or not  
8 Implement HashMap /////////////////////////// HashFunction, Conflict  
9 分数加和 /////////////////////////// 辗转相除？Corner Case  
10 找平均分最高分的题 /////////////////////////// HashMap<Name, ArrayList{sum, count}>/ Double/ Negative  
11 Vector Dot Product / Sparse Matrix Multiplication/////////////////////////// Vector? Matrix?  
12 First Unique Char /////////////////////////// 暴力遍历两遍/Data Stream -> Linked Node  
13 Kth/2nd Smallest Number /////////////////////////// Quick Select / Repeated  
14 Minimum Size Subarray Sum /////////////////////////// Two Pointer  
15 Best Time to Buy and Sell Stock /////////////////////////// Corner Case (Null)  
16 Reverse Word III /////////////////////////// Char to String  
17 String to Integer (atoi) /////////////////////////// long & int; + or -; str = str.trim(); if(num \* sign > or <)  
18 Shortest Distance of 2 Words /////////////////////////// HashMap + Array?  
19 Knight Probability in Chessboard /////////////////////////// DP  
20 Median of two Sorted Arrays ///////////////////////////  
21 Group anagram /////////////////////////// <https://leetcode.com/problems/group-anagrams/description/>  
22 Power of Ten ///////////////////////////  
23 newton method算sqrt of x, mewton-raphson的方法已经给出 ///////////////////////////  
24 Lowest Common Ancenstor /////////////////////////// No root; Find Parent Array  
25 Find the longest substring with uniform character /////////////////////////// signature: public int[] longest(String input) {return new int[]{longestStart, longestLength};}     快满指针可做