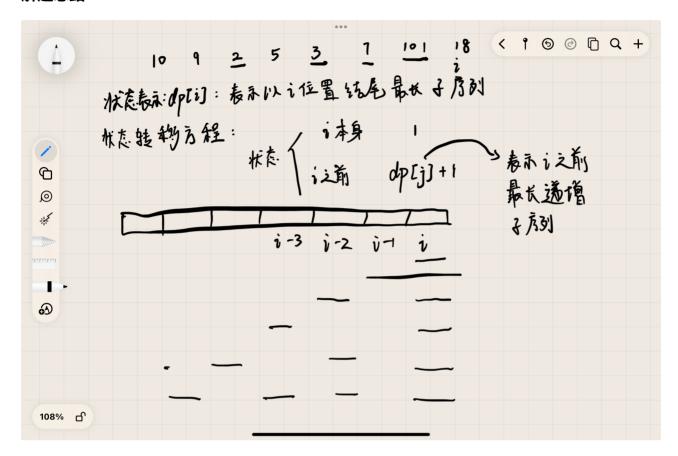
1. 动态规划: 300. 最长递增子序列

解题思路:



代码:

```
1 class Solution {
public:
       int lengthOfLIS(vector<int>& nums) {
           int n = nums.size();
          int max1 = 1;
          vector<int> dp(n, 1);
          for (int i = 1; i < n; i++)
               for (int j = 0; j < i; j++)
10
                  if (nums[i] > nums[j])
11
                   {
12
                       dp[i] = max(dp[i], dp[j] + 1);
13
14
15
               max1 = max(max1, dp[i]);
16
17
          return max1;
18
19
20 };
```

2. 动态规划: 376. 摆动序列

代码:

```
1 class Solution {
public:
       int wiggleMaxLength(vector<int>& nums) {
           int n = nums.size();
           vector<int> f(n,1); // up
           auto g = f; //down
           int ret = 1;
           for(int i = 1; i < n; i++)
               for(int j = 0; j < i; j++)
10
               {
11
                   if(nums[j] > nums[i])
                   {
13
                        g[i] = max(g[i], f[j] + 1);
14
15
                   if (nums[j] < nums[i])</pre>
16
17
                       f[i] = \max(f[i],g[j] + 1);
18
                   }
19
               }
20
                   ret = max(max(ret,f[i]),g[i]);
21
22
23
          return ret;
24
     }
26
27 };
```