

Problems

Discuss October LeetCoding Challenge 2021





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1.2K Hi all.

I have been following leetcode discussion for a long time and maintaining resources for personal trainin have created list of problems based on the categorization of problems which I found during contest, pra dicuss posts.

This journey has been marathon for me instead of a sprint. To keep a record of progress these list will h and depth wise on various topics. You can clone and watch these lists. I will keep updating them.

1. Linear Dp link

This type of questions are easy to figure out. You just need to find the repetitive part of soultion a somewhere. A classical example is fibonacci series.

2. String and Dp link

In interviews or contests, problems on string are really common and one has to be strong on this soultion requires backtracking or recursion, after that dp can be applied to optimize further.

3. **Dp with Tree and Graph** link

Tree and Graph are maily based of DFS and BFS. Its very rare to see some direct relation with d should practise hard with BFS, DFS and other direct graph based algo. Then you can provide so recommend to start with problem Cheapest Flights Within K Stops (problem 787).

4. Knapsack based Dp link

Solution is built upon subset, but with few more restrictions. For example you want to complete so points associated. But you can attend only k number of courses. Now try to maximize your points extension to simple dp, where you add one more dimension to consider provided restriction.

5. **Dp with bits manipulation** link

Usually we create array or map to store computed state. But Some problems may need you to sa state and its result into bits. Solve some problems in this list you will realize bits are so powerful.

6. **Dp on math problems** link

These are rare in interview, so one can start this list accordingly. But if you are a math lover, its a

7. Classical dp problems link

Its a must do list. It consits many direct interview question. You will find them as it is. Also these c understanding. It will help in logic building in contests too. I suggest solve these problems severa

8. Grid based dp link

Grid based questions are easy to solve. It just require practise.

9. Multidimensional Dp link

10. Digit problems with dp link

11. Interval problems with dp link

Later I'll add more lists based on selected problems in other categories. Suggestions are most welcome

Approach - Drawback of solving problems topic wise is, we think in narrow space and do not consider yourself why are you using this approach. Also always use timer while practising.