Dynamic Programming :

1. <https://leetcode.com/contest/weekly-contest-220/problems/jump-game-vi/>

interesting things:

1. Reduced the complexity from O(n\*k) to O(n).
2. Found the largest number from i-k to i where i is varying with the help of the deque.

<https://codeforces.com/problemset/problem/358/D>

<https://codeforces.com/problemset/problem/255/C>

<https://codeforces.com/problemset/problem/1475/G>

<https://codeforces.com/problemset/problem/1472/G>

Graph theory + DSU

1. <https://leetcode.com/contest/weekly-contest-220/problems/checking-existence-of-edge-length-limited-paths/>

interesting things:

1. Reduced complexity from O((n+m)\*q) to O(q+n+m).

Segments

1. <https://codeforces.com/problemset/problem/1462/F>

Check whether the given sequence has a subsequence of sum s/2 in O(n)

<https://codeforces.com/problemset/problem/1201/B>

Stack

<https://codeforces.com/problemset/problem/319/B>

Floyd Warshall Algorithm

<https://codeforces.com/problemset/problem/295/B>

DFS

<https://codeforces.com/contest/653/problem/E>

Two pointers

<https://codeforces.com/problemset/problem/446/A>

Bitmasking

<https://codeforces.com/problemset/problem/482/B>

<https://codeforces.com/problemset/problem/243/A>

Matrix

<https://codeforces.com/problemset/problem/364/A>

<https://codeforces.com/problemset/problem/375/B>

Geometry

<https://codeforces.com/contest/1478/problem/F>

kadane’s algorithm

<https://codeforces.com/problemset/problem/1353/E>