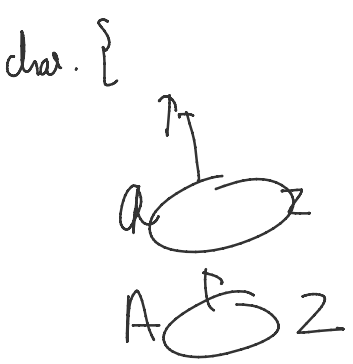
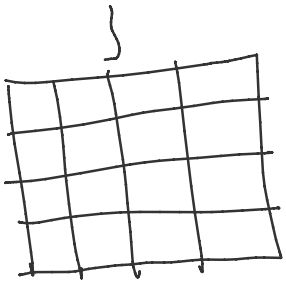
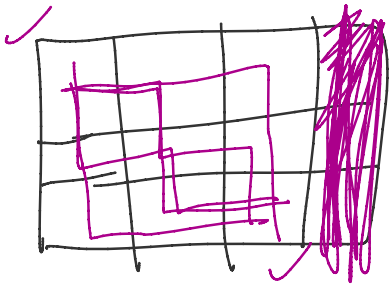
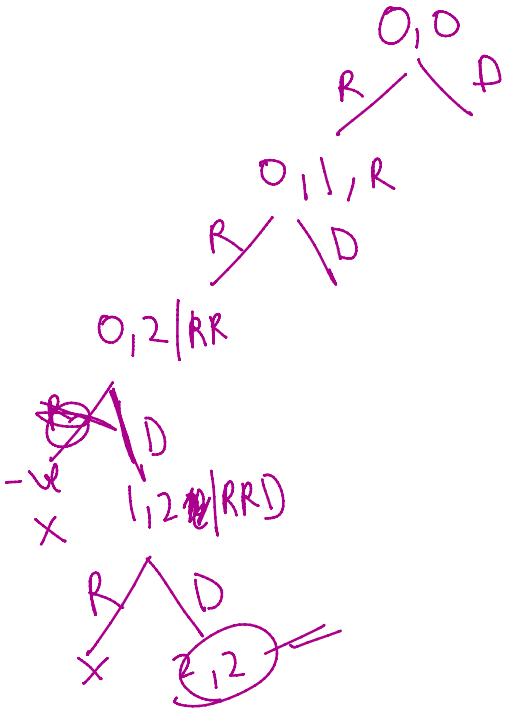
18 February 2023 11:00

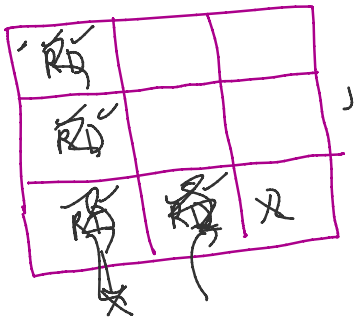






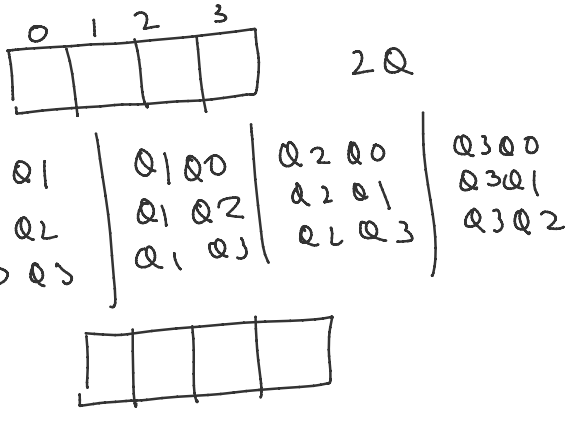
R R D D

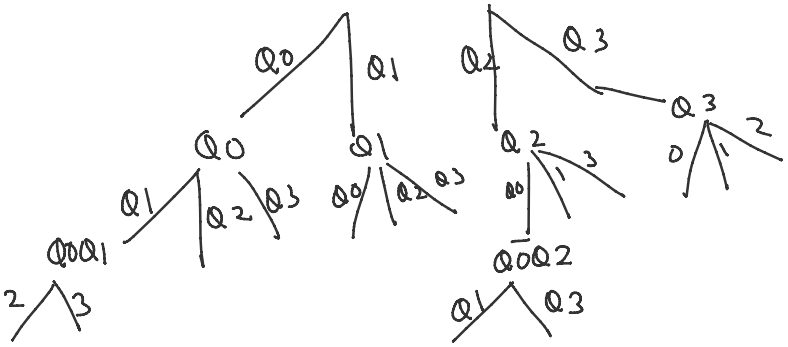




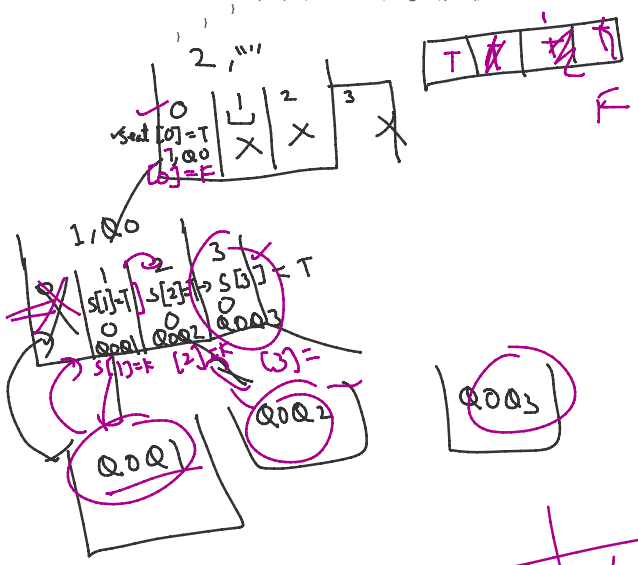
R R D D
R D R D
R D D R

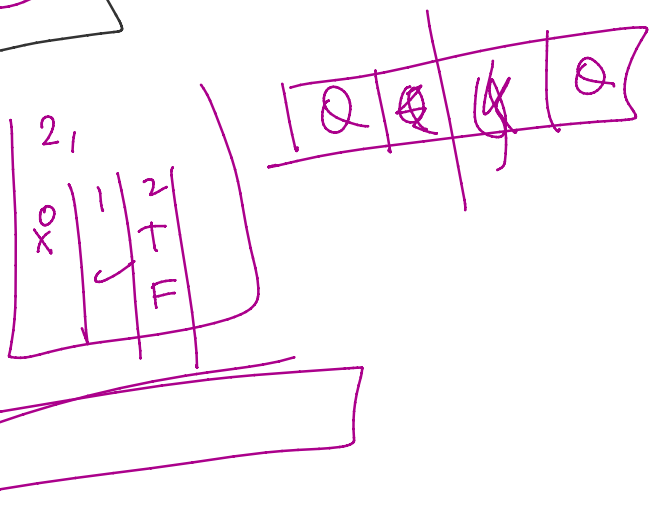
D R R D
D R D R
D D R R

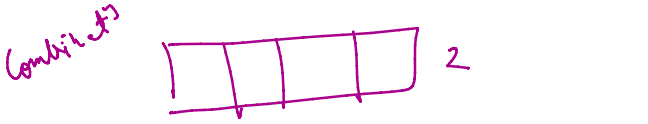


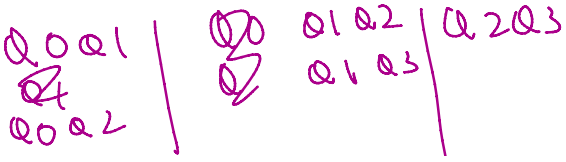


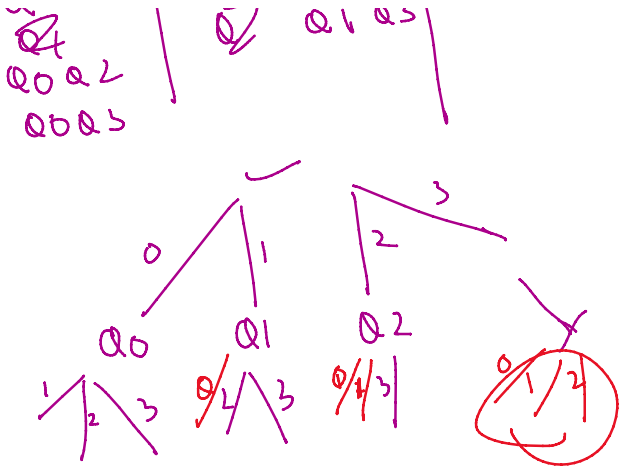

```
public static void perm(int n, String ans, int total_seats, boolean[] placed) {

        if (n == 0) {
            System.out.println(ans);
            return;
        }
        for (int seat = 0; seat < total_seats; seat++) {
//                  seat!!
            if (placed[seat] == false) {
                placed[seat] = true;
                perm(n - 1, ans + "Q" + seat, total_seats, placed);
            }
        }
    }
```





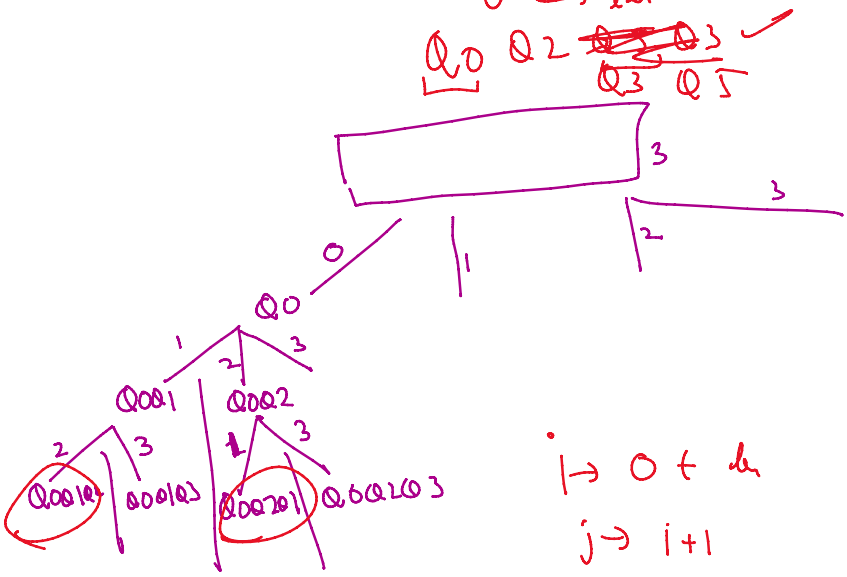






Q0 Q2 Q5

6 → lat

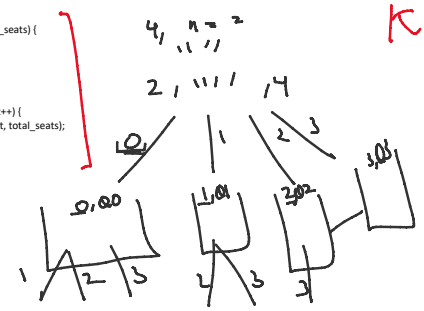


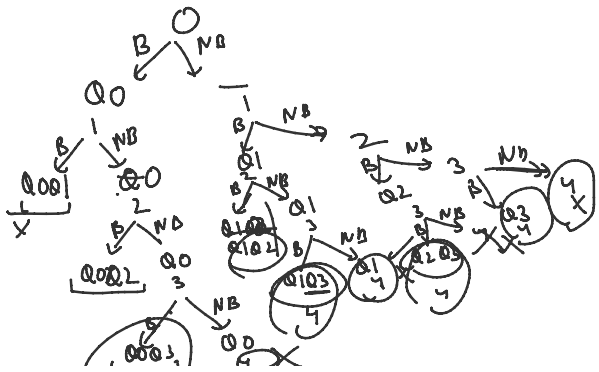
```
public static void comb(int n,int last, String ans, int total_seats) {

        if (n == 0) {
                System.out.println(ans);
                return;
        }
        for (int seat = last+1; seat < total_seats; seat++) {
                comb(n - 1,seat, ans + "Q" + seat, total_seats);
        }
}
```

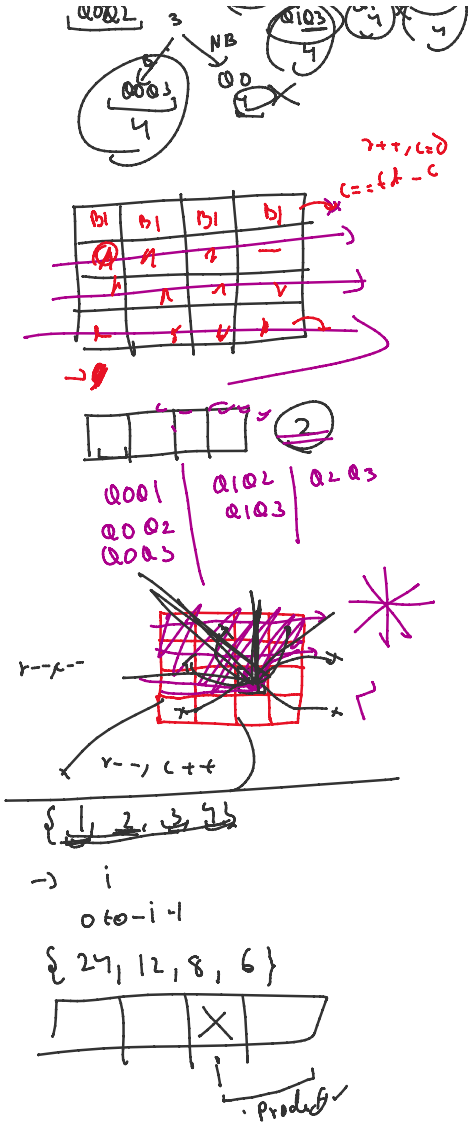
i → 0 to 4

j → i+1

k → j+1

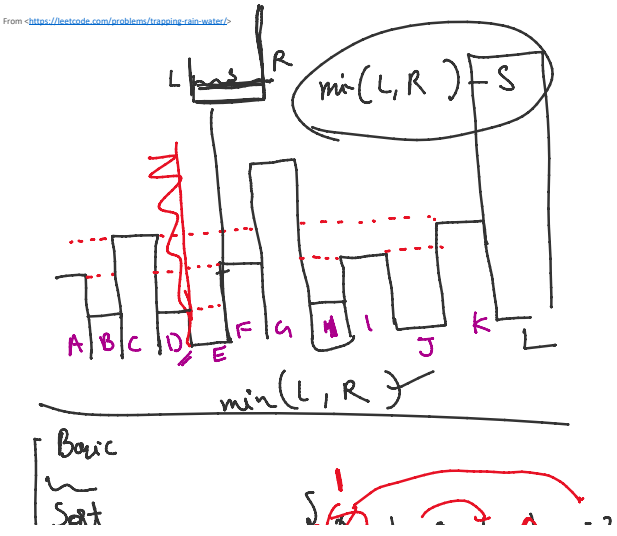






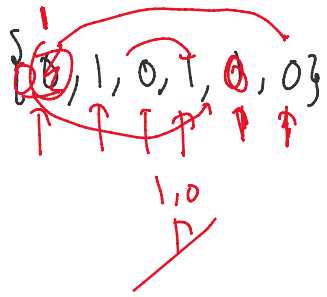
= [0,1,0,2,1,0,1,3,2,1,2,1]

From <https://leetcode.com/problems/trapping-rain-water/>



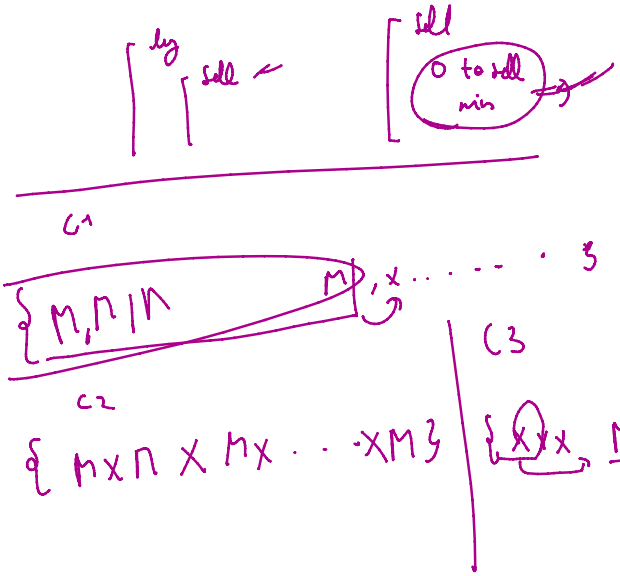
Basic

Set



{ 1, 3, 0, 2, 5, 0, 7, 2, 0, 0, 15 }

{ 5, 4, 2000, 0, 1, 100 }.



[2,2,1,1,1,2,2]

From <https://leetcode.com/problems/majority-element/>

{ 2, 2, 3, 10, 2, 5, 3, 2 }

{ 2, 2, 1, 2, 1, 2, 3 }

1, 2

5
1 2 3 4 5
2
1
0

From <https://hack.codingblocks.com/admin/contents/61/problem?step=7>

{ 1, 2, 3, 4, 5 }

1

{ 6, 3, 5, 2, 9 }

0

{ 12, 6, 10, 14, 18 }

3

{22, 20, 28, 26, 24}

{1, 2, 3, 7}

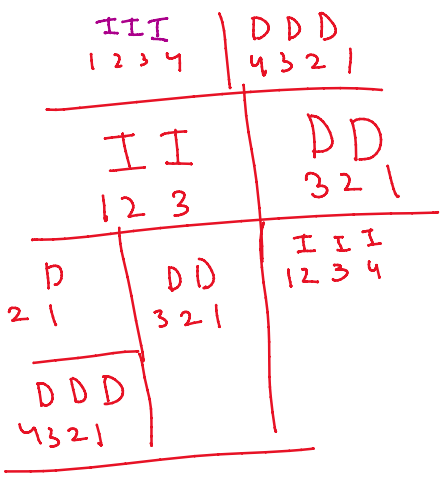
{a, b, c, d, e}

{d e a b c}

2(a+b+c+d+e)

nums = [8,12,6],
target = [2,14,10]

From <https://leetcode.com/problems/minimum-number-of-operations-to-make-arrays-similar/>



I _

1 2

DD I I

3 2 1 4 5

DD_ | DDI_

321 | 321_

DDIIDDD

3214876 5

D, DD, DDD

DDI, DDII

DDIIDD

DDIDI | DIDI

IDID