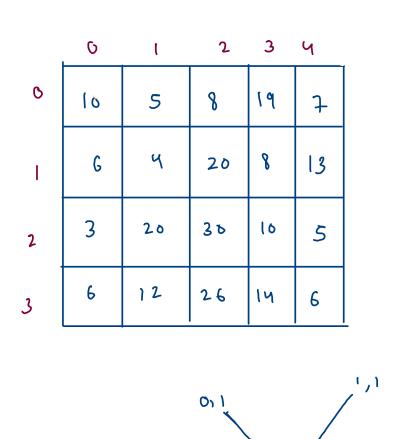
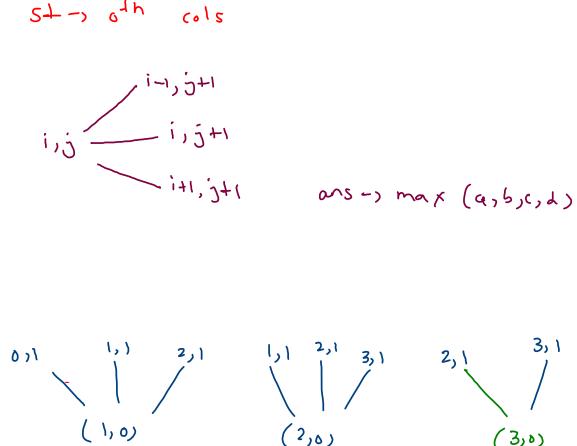
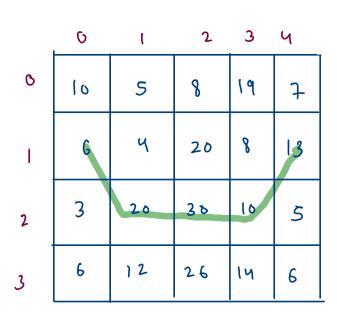
boldmine

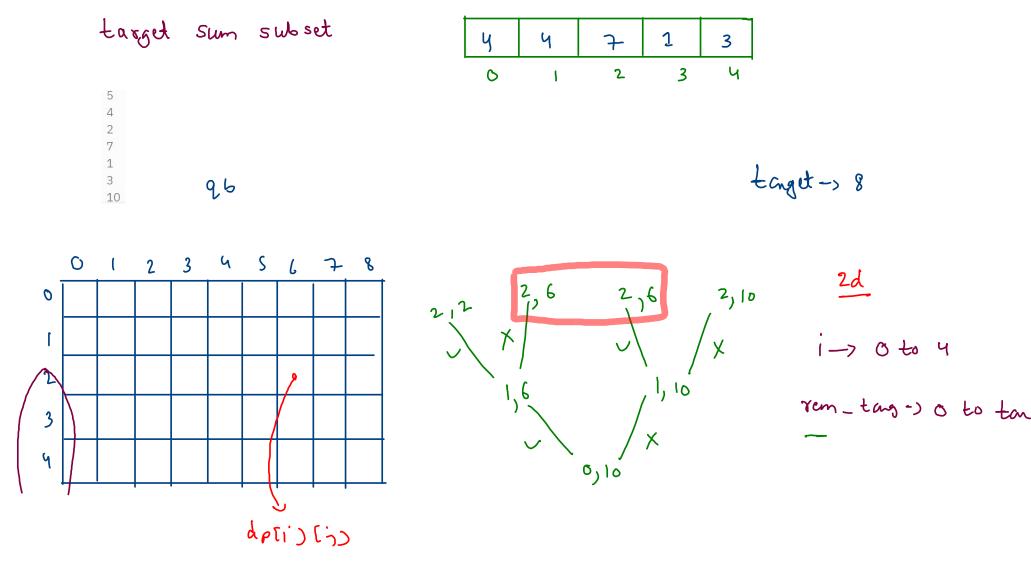


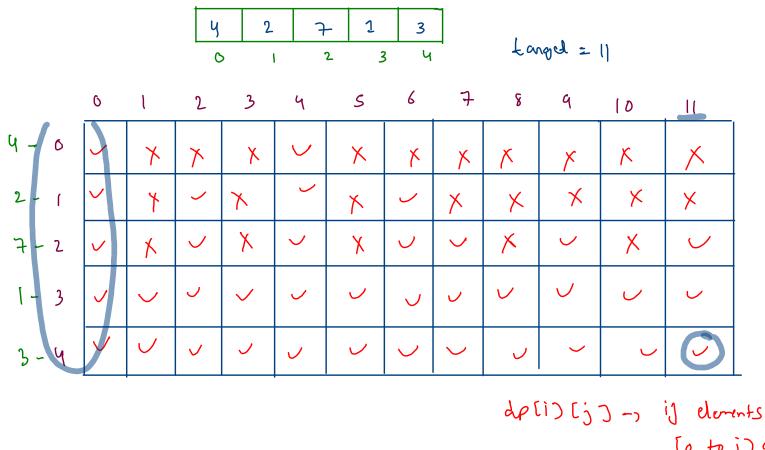




	6	ı	2	3	ч
0	67	57	40	32	7
(79	57	\$ 2	21	13
2	76	73	\$3	23	S
3	구9	65	49	20	6

+ gold [i] [j]





dp[i][j]-, ij elements

[o to i) con

dp[i-1][j-arr[i])

(reste a

subset of Anod (j)

dp[i](j)

sur_th = j-arr[i];

```
tanget -> s
```

```
boolean[][]dp = new boolean[arr.length][target+1];
```

```
for(int i=0; i < dp.length;i++) {</pre>
    for(int j=0; j < dp[0].length;j++) {</pre>
        if(j == 0) {
           //target 0
            dp[i][j] = true;
        else if(i == 0) {
            //single_element
            if(arr[i] <= target) {</pre>
                dp[i][arr[i]] = true;
        else {
            boolean exc = dp[i-1][j];
            boolean inc = false;
            if(j-arr[i] >= 0) {
                inc = dp[i-1][j-arr[i]];
            dp[i][j] = inc || exc;
```

7 4 1	2
-------	---

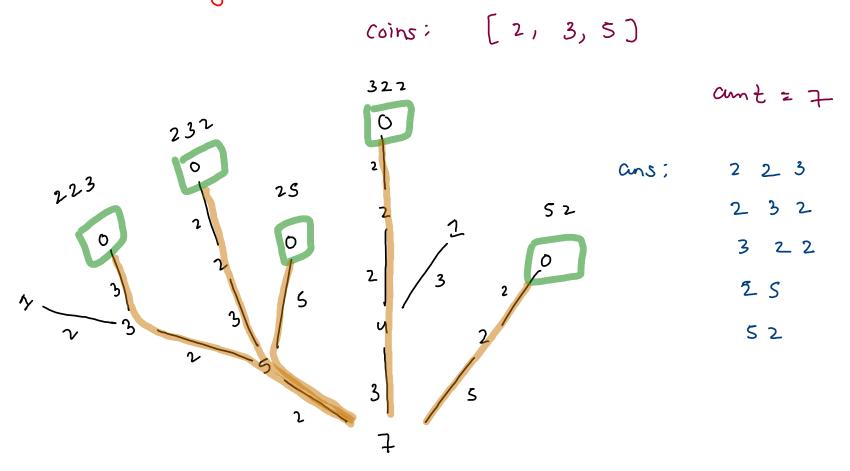
		t anget						
	6	١	2	3	Ч	S		
0	\smile	X	X	×	X	X		
J	V	Х	X	Х)	X		
2	V	V	×	×))		
3	✓	V	<i>✓</i>	~	V	J		

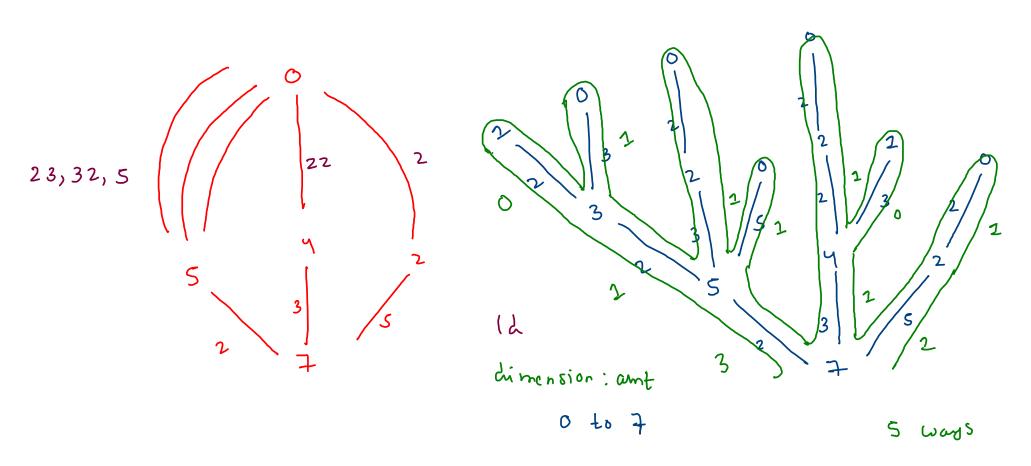
Clements

7-

4-

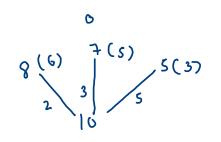
Coin change permutations





amt = 10

2	O	1	1	1	3	2	5	6	8	14
0	1	2	3	ч	5	6	7	Ş	9	10
		2,	3.	22.	32. 23.,5.	222- 33·	371. 273. 232. 25. 52.			



de [i] -1 no. of permutation to pay "i" amount Using all coins.

```
public static int ccp(int[]coins,int amt) {
    int[]dp = new int[amt+1];
   //dp[i] -> ways to pay 'i' amount
   dp[0] = 1;
   for(int i = 1; i <= amt;i++) {
       /for(int j = 0; j < coins.length; j++) {</pre>
            int rem_amt = i - coins[j];
           if(rem_amt >= 0) {
               dp[i] += dp[rem_amt];
    return dp[amt];
```

ant = 7

Coins =
$$[2,3,5]$$

