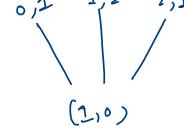


mI

Ci) C 17 6 10 0



m 2

2	1	3	ч	5
9	0	2	6	ヰ
3	2	0	6	0
Ч	8	3	9	Ŧ

9	17	16	1	5
29	16	15	13	+ر
30	20	16	13	б
3	27	19	16	4

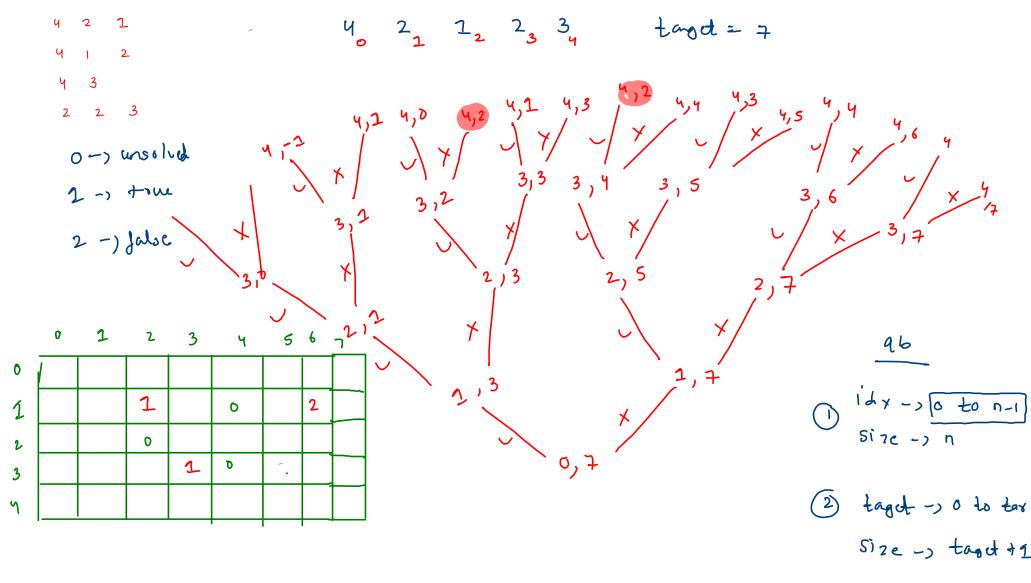
8018

dp

doli) [
$$j$$
) = max ($d_{p}(i,j+1)$) $d_{p}(i)$ [j) ->

($d_{p}(i-1,j+1)$)

($d_{p}(i+1,j+1)$)



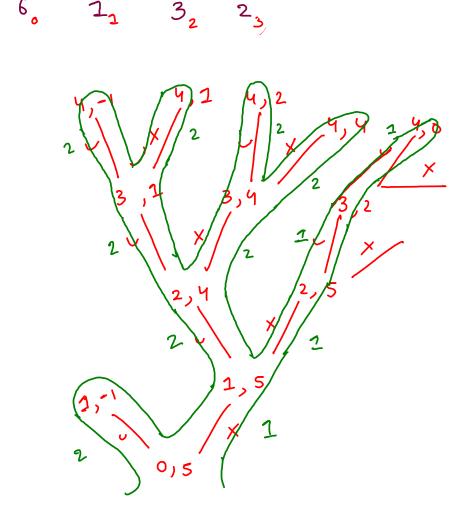
0	1	2	3	ч	9
					1
					2
				2	1
	2	2		2	

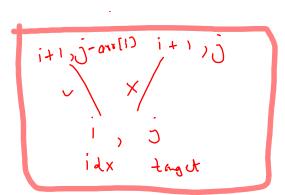
2

3

taget = 5

```
public static int targetSumSubset_mem(int[]arr,int idx,int target,int[][]qb) {
   if(idx == arr.length) {
       if(target == 0) {
           return 1;
       else {
           return 2;
   if(target == 0) {
       return 1;
   if(target < 0) {
       return 2;
   if(qb[idx][target] != 0) {
       return qb[idx][target];
   int inc = targetSumSubset_mem(arr,idx+1,target-arr[idx],qb);
   if(inc == 1) {
       qb[idx][target] = 1;
       return 1;
   int exc = targetSumSubset_mem(arr,idx+1,target,qb);
   int myans = (exc == 1) ? 1 : 2;
   qb[idx][target] = myans;
   return myans;
```





```
[2,3,5]
                                Coins z
Coin change porm
   coins -, infinite
                                            ant -> 7
                                                              ab ->1d
                                                                               recursion
                                                                                memoisation
          Y
                     3
                2
                                                                        for(int i=0; i < coins.length;i++) {</pre>
                                                                           int rem_amt = amt-coins[i];
                              v
                                                                           if(rem_amt >= 0) {
                                                                              int temp = CCP(coins,rem_amt);
                                                                              ways += temp;
```

2 5

5 2

2 3

3

3

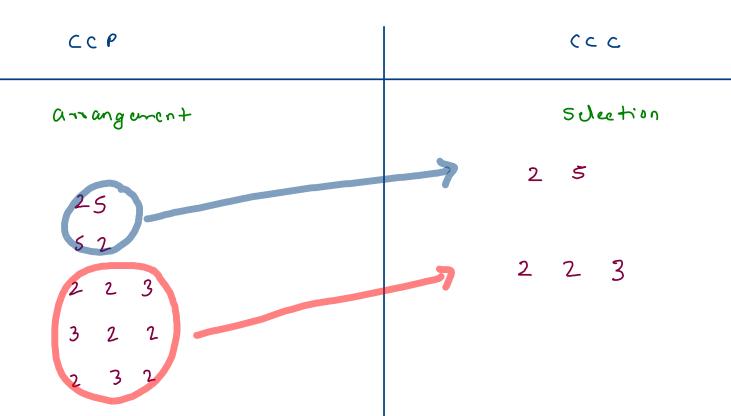
de [i] -) ways to

pay i aut.

Coins z [2, 3, 5]

aut z 7.

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0	1	2	3	4	5	6	7
		2-	3-	22.	32.	222.	322.
					23.	33.	232
					۶٠		52.
/ 0							223
							25.



[2,3,5]

amt = 7