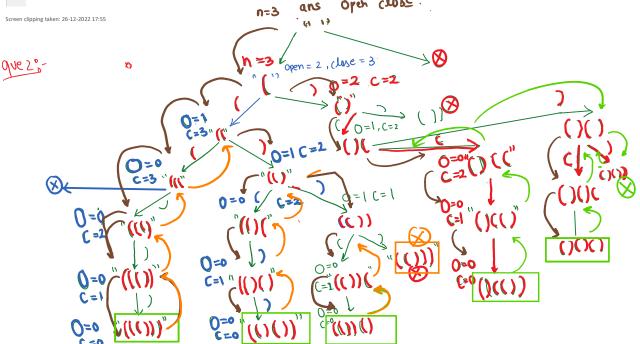
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Generate all binary strings?

```
Generate all binary strings \ \square
Medium Accuracy: 68.1% Submissions: 238+ Points: 4
               Land your Dream Job with Mega Job-a-thon. Register Now!
Given an integer \boldsymbol{N} , generate all binary strings of size N which do not
contain consecutive 1s.
A binary string is that string which contains only 0 and 1.
 Example 1:
 Input:
 N = 3
 Output:
 000 , 001 , 010 , 100 , 101
 Explanation:
 None of the above strings contain consecutive 1s. "110" is not an answer
 as it has '1's occuring consecutively.
```

n=2; ans=" n=2,"1" (ind t1, stot'l', n,a) cind +1, str +10', n, ans), n=2,40 N=2 1 D ClarAt n=2 _0 Q (ind -1) == } { ind == n. open close.



Observation; 0

Well formed parenthesis meanseach "(" has a corresponding ")" so "()" valid but

) (not validall stack

no of "(" >= ")" = n. and the total length of generated-2 Observation = string will be n*2.

At each point in our string, we are faced with 3 choices'

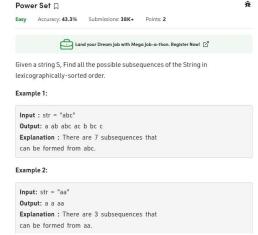
- of the length of string = 1x2 -> if yes then show of as result.
- is the no. of "(" less than $n \rightarrow ff$ yes then add another."(")
- is the no of ")" less than I and less than "(" . if yes then add another ")" 0 of the condition Match then poped (3)

if (sto. length == 2xn) //> Add to our result. If (open<n) → str+"(" and recursively call the fn. of (close < Open) + strt")" and -:

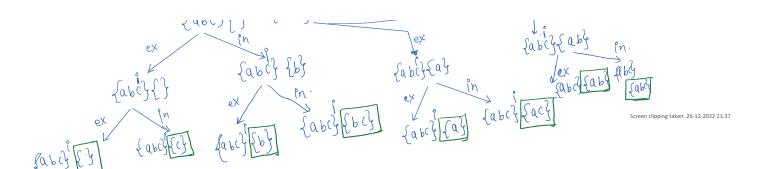
```
public void backtracking( List<String>ans, int n , String curr, int open , int close){
   if(curr . length() = 2 * n){
      ans.add(curr);
   return;
}
                   if(open < n){
    backtracking(ans , n , curr +'(' , open +1, close);</pre>
                   if(close < open){
   backtracking(ans, n, curr + ')' , open , close +1);
              public List<String> AllParenthesis(int n)
```

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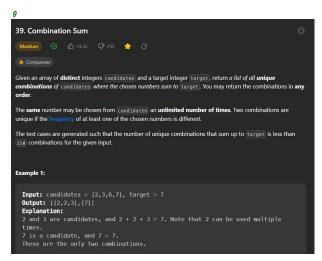
que; 3° power set:



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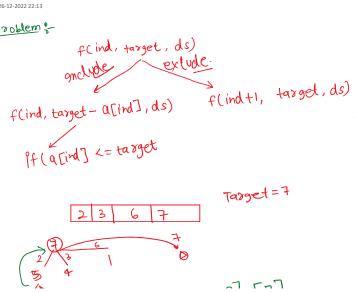


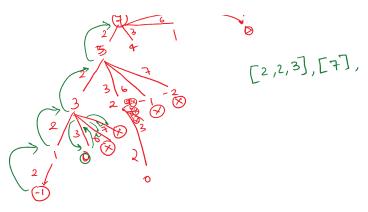
que 0:- Combination sum - I :-



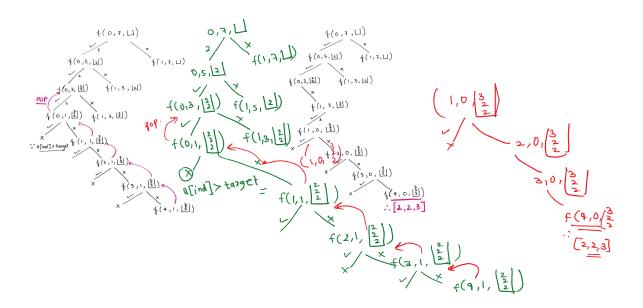
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Doy Run the problem &





Couse 10-

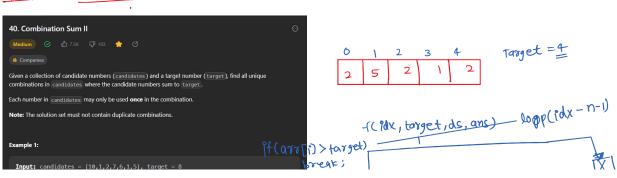


```
class Solution {
    List<List<Integer>>ans = new ArrayList<>();

    void solve(int[] candidates, int target, int ind, int n , List<Integer>list){
    if(ind >= n || target < 0){
        return;
    }
    if(target ==0){
        ans.add(new ArrayList<>(list));
        return;
    list.ad(candidates[ind]);
    solve(candidates, target - candidates[ind] , ind , n , list); //include list.remove(list.size() -1);
    solve(candidates, target, ind +1, n, list); //exclude list.remove(list.size() -1);
    solve(candidates, target, ind +1, n, list); //exclude list.remove(list.size() -1);
    solve(candidates, target, ind +1, n, list); //exclude list.remove(list.size() -1);
    solve(candidates, target, 0, candidates.length , new ArrayList<)());
    return ans;
}</pre>
```

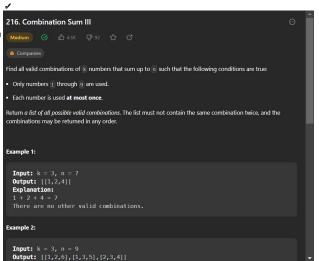
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que 2: - combination sum 28

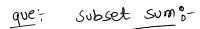


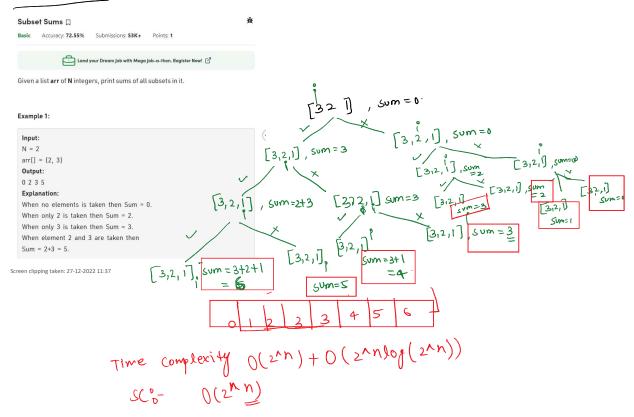
que3:- Combination sum-3?

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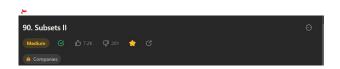




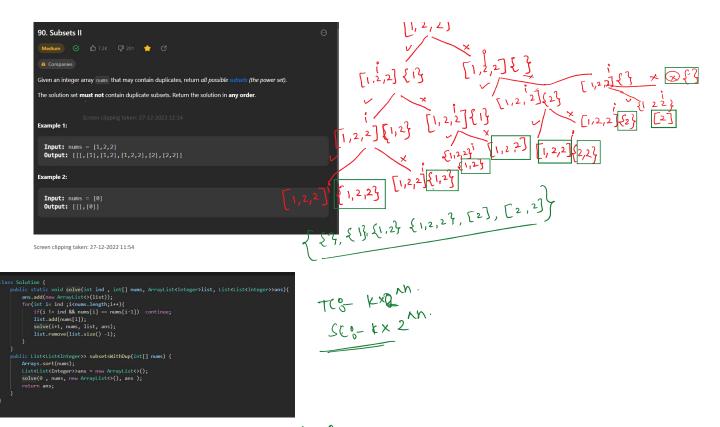
```
Journal of the state of th
```

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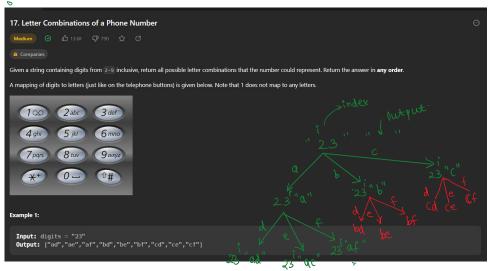
que:- Subset Sum-II:0-



[1,2,2] // X // X // 274.7



que: Letter combination of a phone humber:



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