

Coin Change - Combinations - 1

1. You are given a number n, representing the count of coins.
2. You are given n numbers, representing the denominations of n coins.
3. You are given a number "amt".
4. You are required to calculate and print the combinations of the n coins (non-duplicate) using which the amount "amt" can be paid.

Note -> Use the code snippet and follow the algorithm discussed in question video. The judge can't force you but the intention is to teach a concept. Play in spirit of the question.

5
2
3
5
6
7
12

2-3-7-.

5-7-.

```
def coinsChangeCombinationI(coins, amount):  
    idx = 0  
    ans = []  
    ssf = ''  
    helper(coins, amount, idx, ans, ssf)  
    return ans  
  
def helper(coins, amount, idx, ans, ssf):  
    if amount == 0:  
        ans.append(ssf)  
        return  
    if amount < 0 or idx >= len(coins):  
        return  
    helper(coins, amount - coins[idx], idx + 1, ans, ssf + str(coins[idx]))  
    helper(coins, amount, idx + 1, ans, ssf)  
  
print(coinsChangeCombinationI([2, 3, 5, 6, 7], 18))
```