39. Combination Sum ⬚

for example [2, 3, 6, 7] target = 7,

1. how to do list deep copy in python ?

don't have a very clear idea to solve this.

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79. Word Search ⬚

so the problem here, given a matrix 2d. given a word, search it in the matrix, so each time we can replace the char with 0 for example, then repalce the 0 with the original char.

```python
class Solution:
    def search( self, board, word, cur, i, j, n_row, n_col ):

        if i<0 or j<0 or i >= n_row or j >= n_col or word[cur] != board[i][j] :
            return  False

        if cur == len(word)-1:
            return True

        board[i][j] = '0'
        res = self.search(board, word, cur+1, i-1, j, n_row, n_col) or  self.search
(board, word, cur+1, i+1, j, n_row, n_col) or  self.search(board, word, cur+1, i, j-
1, n_row, n_col) or  self.search(board, word, cur+1, i, j+1, n_row, n_col)
        board[i][j] = word[cur]

        return res

    def exist(self, board, word):
        """
        :type board: List[List[str]]
        :type word: str
        :rtype: bool
        """
        n_row = len(board); n_col = len(board[0])

        for i in range(n_row):
            for j in range(n_col):
                if word[0] == board[i][j]:
                    if self.search(board, word, 0, i, j,n_row,n_col):
                        return True

        return False
```