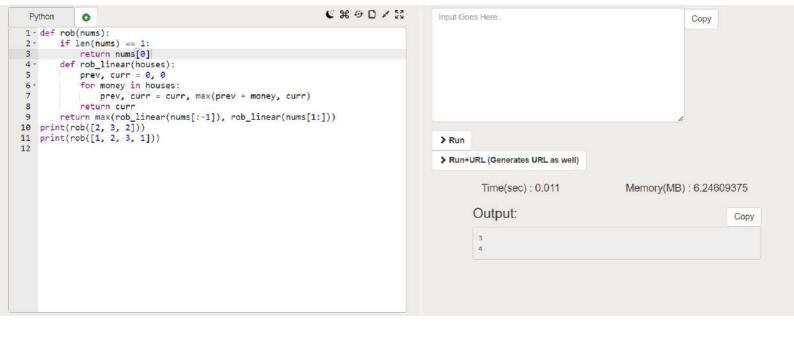
```
Python
                      0
                                                                                                                                                                                                      Input Goes Here..
                                                                                                                                                                                                                                                                                                                              Сору
   1 def find_ways(m, n, N, i, j):
               memo = {}
                  memo = {}
def dfs(x, y, steps_left):
    if x < 0 or y < 0 or x >= m or y >= n:
        return 1
    if steps_left == 0:
        return 0
    if (x, y, steps_left) in memo:
        return memo[(x, y, steps_left)]
    moves = dfs(x - 1, y, steps_left - 1) + dfs(x + 1, y, steps_left
        dfs(x, y - 1, steps_left - 1) + dfs(x, y + 1, steps_left
    memo[(x, y, steps_left)] = moves
    return moves
   3 -
  4-
  6 -
7
  8 -
11
                                                                                                                                                                                                      > Run
12
13 return moves

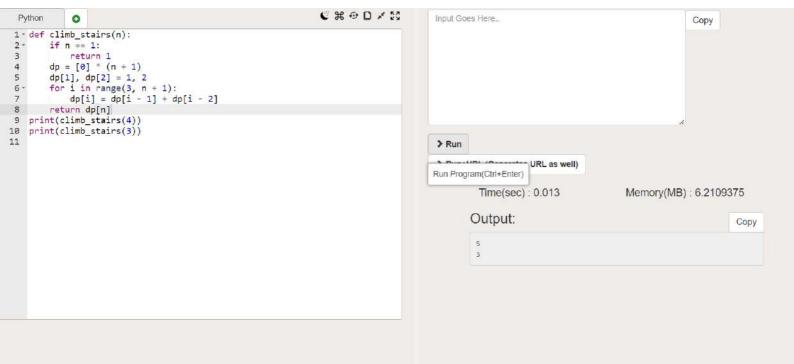
14 return dfs(i, j, N)

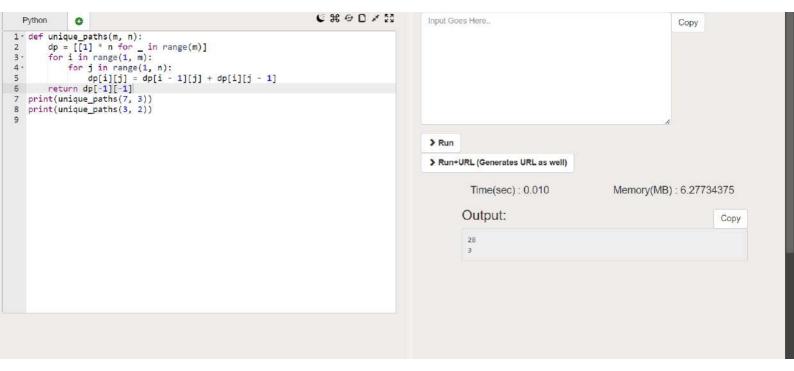
15 print(find_ways(2, 2, 2, 0, 0))

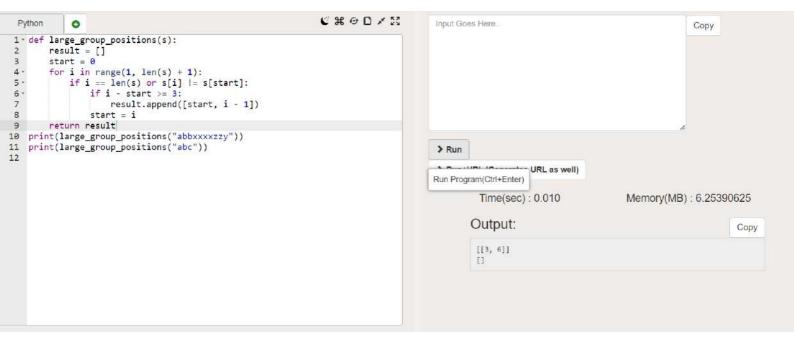
16 print(find_ways(1, 3, 3, 0, 1))
                                                                                                                                                                                                      > Run+URL (Generates URL as well)
                                                                                                                                                                                                                          Time(sec): 0.011
                                                                                                                                                                                                                                                                                              Memory(MB): 6.20703125
                                                                                                                                                                                                                      Output:
                                                                                                                                                                                                                                                                                                                                                 Сору
```

C # 0 D / 23









```
C # 0 D / M
    Python
                        0
                                                                                                                                                                    Input Goes Here...
                                                                                                                                                                                                                                                                       Сору
  1 def game_of_life(board):
                pame_or_iffe(board):
neighbors = [(1, 0), (0, 1), (-1, 0), (0, -1), (1, 1), (-1, -1), (1,
rows, cols = len(board), len(board[0])
for row in range(rows):
    for col in range(cols):
  2
  3
  4 -
  5 -
  6
7-
                               live_neighbors = 0
for neighbor in neighbors:
                               for neighbor in neighbors:
    r, c = row + neighbor[0], col + neighbor[1]
    if (0 <= r < rows) and (0 <= c < cols) and abs(board[r][c
        live_neighbors += 1

if board[row][col] == 1 and (live_neighbors < 2 or live_neigh
    board[row][col] == 0 and live_neighbors == 3:
    board[row][col] = 2
    in range(rows):</pre>
  8
  9 +
10
11 -
                                                                                                                                                                     > Run
12
13 -
                                                                                                                                                                                                     -- URL as well)
14
                                                                                                                                                                    Run Program(Ctrl+Enter)
15 *
                for row in range(rows):
                                                                                                                                                                                     Time(sec): 0.008
                                                                                                                                                                                                                                             Memory(MB): 6.25390625
17 | board[row][col] = 1 if board[row][col] > 0 else 0
18 board = [[0, 1, 0], [0, 0, 1], [1, 1, 1], [0, 0, 0]]
19 game_of_life(board)
20 print(board)
16 -
                        for col in range(cols):
                                                                                                                                                                                  Output:
                                                                                                                                                                                                                                                                                        Сору
                                                                                                                                                                                    [[0, 0, 0], [1, 0, 1], [0, 1, 1], [0, 1, 0]]
```

