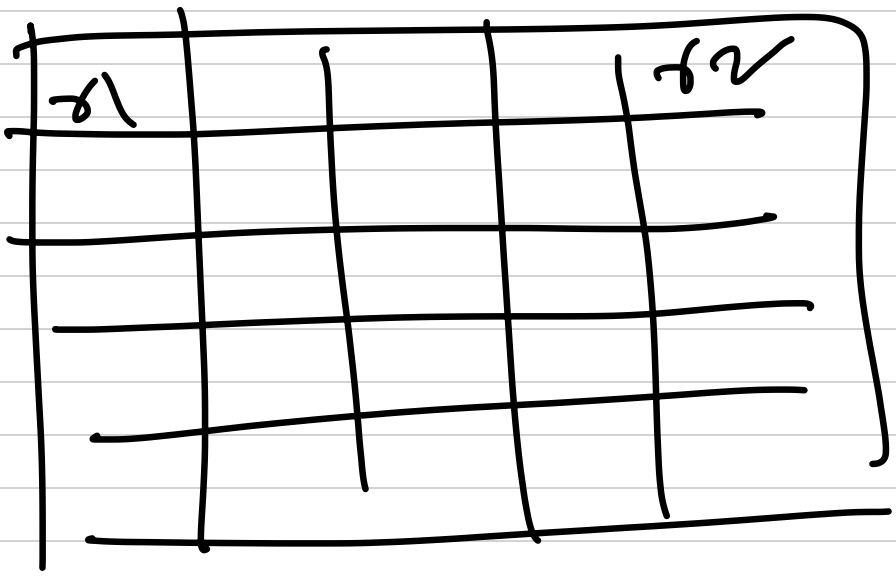
1463. Cherry Pickup II

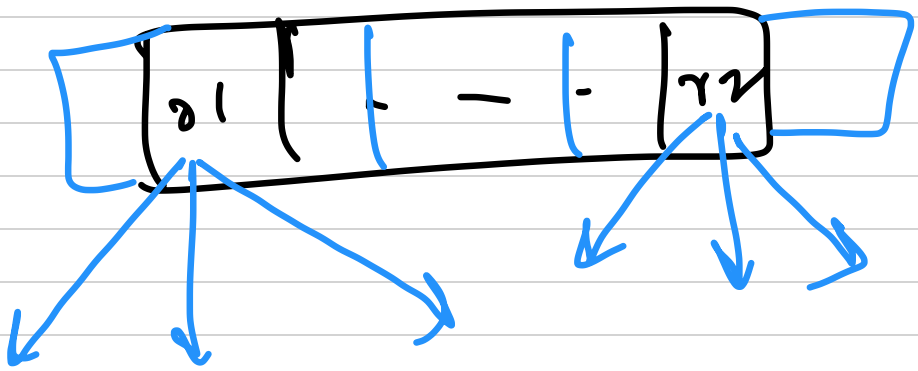


Recursion (row, col1, col2)

col1 → denote col of robot1 in row

col2 → denote col of robot2 in row

There can be 9 combinations



row	c1	c2
row+1	c1+1	c2
	c1	c2
	c1-1	c2
row+1	c1+1	c2-1
	c1	c2-1
	c1-1	c2-1
row+1	c1+1	c2+1
	c1	c2+1
	c1-1	c2+1

```
expand(row1, col1, col2):

    if col1 < 0 or col1 >= n or col2 < 0
        or col2 >= n:
        return -∞

    ans = 0
    ans += grid[row][col1]
    if col1 != col2
        ans += grid[row][col2]

    if row != n-1
        ans += max( expand(r+1, c1+1, c2)
                    expand(r+1, c1+1, c2-1)
                    expand(r+1, c1, c2)
                    expand(r+1, c1, c2-1)
                    expand(r+1, c1-1, c2)
                    expand(r+1, c1-1, c2-1)
                    expand(r+1, c1-1, c2+1)
                    expand(r+1, c1+1, c2+1)
                    9 options )

    return ans
```