Activity

Figure out how to take advantage of the repeated calculation. What do you think the running time will be of your new algorithm?

FindOPT(int i, int j, bool[][][], rocks, bool[][][], eggs)

if (i < 0 || j < 0) return -∞
if (rocks[i][j]) return -∞
if (i == 0 && j == 0) return eggs[0][0]
int left = FindOPT(i-1, j, rocks, eggs)
int down = FindOPT(i, j-1, rocks, eggs)
return Max(left, down) + eggs[i][j]