

Activity

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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]
```