

$$\text{opt}(i, j) = \begin{cases} 0 & \text{if } i > j-4 \\ \max \left( \text{opt}(i, j-1), \right. \\ \quad \left. 1 + \max_t \left( \text{opt}(i, t-1) + \text{opt}(t+1, j-1) \right) \right) & \end{cases}$$

