

Homework 1.**Due: Monday, September, 5 2022 before 8am EDT.****Problem 1 (Jumping frog (II))**

(a) Define the entries of your table in words. E.g., $T(i)$ or $T(i, j)$ is

(b) State recurrence for entries of your table in terms of smaller subproblems.

(c) Write pseudocode for your algorithm to solve this problem.

(d) State and analyze the running time of your algorithm.

Problem 2 (Electoral colleges)

(a) Define the entries of your table in words. E.g., $T(i)$ or $T(i, j)$ is

(b) State recurrence for entries of table in terms of smaller subproblems.

(c) Write pseudocode for your algorithm to solve this problem.

(d) State and analyze the running time of your algorithm.