Homework 1.
Due: Monday, January 13, 2019, 11:55pm EST via Gradescope.

Problem 1　[DPV] 6.2 – Hotel stops with minimum penalty.

(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 (and give a brief explanation in words).

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

(d) Analyze the running time of your algorithm.

Problem 2   [DPV] 6.3 – Yuckdonald's

(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 (and give a brief explanation in words).

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

(d) Analyze the running time of your algorithm.