**Camy Ngo — Project 5: TSP**

1. [20] Include your well-commented code.
2. [10] Explain both the **time** and **space** complexity of your algorithm by showing and summing up the complexity of each subsection of your code. Keep in mind the following things:

o Priority Queue  
o SearchStates  
o Reduced Cost Matrix, and updating it

o BSSF Initialization  
o Expanding one SearchState into others  
o The full Branch and Bound algorithm. You should be very exact on the complexities above.

Complexity for the full branch and bound is harder to specify exactly but give your best effort to

explain and discuss it.

1. [5] Describe the data structures you use to represent the states.
2. [5] Describe the priority queue data structure you use and how it works.
3. [5] Describe your approach for the initial BSSF.
4. [25] Include a table containing the following columns.