

## 2020/06/24 Algorithm Homework

Note: When the exercise asks you to “design an algorithm for...,” it always means that “designs an EFFICIENT algorithm for ... and ANALYZES your algorithm and write pseudo code”. You should keep this in mind when writing solutions.

1. **[CLRS 3<sup>rd</sup>] Exercise 34.2-6**
2. **[CLRS 3<sup>rd</sup>] Exercise 34.5-1**
3. **[CLRS 3<sup>rd</sup>] Exercise 34.5-2**
4. 根據slide Unit12 P.19，畫出此頁TSP問題的三個版本（BFS、DFS、Best First Search）。
5. 根據slide Unit12 P.13，請設計演算法，只使用一維陣列解出SOS(Sum of subset)問題(Combining DP & Backtracking)，得到一組解即可。