**Part I: Sort Algorithm**

**1. Introduction**

以下將介紹兩種熱門的sorting algorithm：merge sort與quick sort，這兩者在所有排序演算法中擁有優秀的平均時間效率(average time complexity)，然而，這兩者在不同場景下各有優缺，下面進行詳細介紹。

**2. Implement Details**

2- 1. Quick Sort

2-2. Merge Sort

3. Results

4. Discussion

5. Conclusion

**Part II: Minimum Spanning Tree Algorithm**

1. Introduction

2. Implement Details

2-1. Prim Algorithm

2-2. Kruskal Algorithm

3. Results

4. Discussion

5. Conclusion

**Part III: Shortest Path Algorithm**

1. Introduction

2. Implement Details

2-1. Dijkstra’s Algorithm

2-2. Bellman-Ford Algorithm

3. Results

4. Discussion

5. Conclusion