Must-Do Greedy Problems for FAANG Interviews

1. Interval Problems (Super High-Frequency)

- Merge Intervals (LC 56)
- Insert Interval (LC 57)
- Non-overlapping Intervals (LC 435)
- Minimum Number of Arrows to Burst Balloons (LC 452)
- Meeting Rooms II (LC 253, Premium)

2. Scheduling & Selection Problems

- Activity Selection Problem (GFG)
- Course Schedule III (LC 630)
- Task Scheduler (LC 621)
- IPO / Capital Maximization (LC 502)
- Minimum Number of Platforms (GFG)

3. Array / Sorting + Greedy

- Assign Cookies (LC 455)
- Candy Distribution (LC 135)
- Gas Station (LC 134)
- Jump Game I (LC 55)
- Jump Game II (LC 45)
- Partition Labels (LC 763)
- Maximum Subarray / Kadane's Algorithm (LC 53)

4. String Based Greedy

- Valid Parenthesis String (LC 678)

- Remove K Digits (LC 402)

- Lexicographically Smallest Subsequence (LC 316 / 1081)

- Reorganize String (LC 767)

- Minimum Remove to Make Valid Parentheses (LC 1249)

5. Greedy + Heap / Priority Queue

- Meeting Rooms II (LC 253)

- IPO (LC 502)

- Reorganize String (LC 767)

- Task Scheduler (LC 621)

- Maximum Performance of a Team (LC 1383)

6. Classic Math / Logic Greedy

- Fractional Knapsack Problem (GFG)

- Minimum Spanning Tree (Kruskal's Algorithm)

- Huffman Encoding (Classic)

- Lemonade Change (LC 860)

- Boats to Save People (LC 881)

7. Graph + Greedy

- Prim's MST (Greedy)

- Dijkstra's Algorithm (Greedy Shortest Path)

- Network Delay Time (LC 743)

Top 15 Must-Solve (If Time is Short)

1. Merge Intervals (LC 56)

2. Insert Interval (LC 57)

3. Non-overlapping Intervals (LC 435)

4. Minimum Arrows to Burst Balloons (LC 452)

5. Meeting Rooms II (LC 253)

6. Jump Game I & II (LC 55, 45)

7. Gas Station (LC 134)

8. Candy Distribution (LC 135)

9. Assign Cookies (LC 455)

10. Lemonade Change (LC 860)

11. Boats to Save People (LC 881)

12. Partition Labels (LC 763)

13. Task Scheduler (LC 621)

14. Reorganize String (LC 767)

15. Fractional Knapsack (GFG)