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| 1 .a. Depth first monotonically increasing subsequence.  b. Depth first decreasing subsequence to realize a sorting algorithm.  Trace the longest monotonically increasing sub-sequence using DFS. | Murali |
| 2. a. Trace the longest monotonically increasing sub-sequence using BFS.  b. Monotonically increasing sub-sequence by DFS & BFS. | Sushma and prajwala |
| 3. a. Solve subset such that maximum size of the elements satisfied.  b. If exact fill up is not possible check for the nearest fill ups.  c. Fill-up the maximum number of elements or maximum number of elements. | Nageshwari |
| 4.a. Repeat the above 0-1 knapsack problem with profit assume for a every element. | Ashwini and Deepika |
| 5.a. Modify the above problem as a general knapsack problem & solve it.  b. Compare that algorithm with a greedy algorithm. | Anusha and Nimisha |
| 6. Both branch and bound , back tracking algorithm to solve the problem. | Navya and Amruth |
| 7. The size of chess board backtracking and branch & bound both will be implemented. | Nandini and abhilash |
| 8. Consider a chess board make a knight from one corner to another corner. nearest to the corner find out where queen is moving. | Roshni and anjan |
| 9.Knight moves queen decides to move the directions, to prevent the knight only one direction queen is moved. | Roopa and Shashirekha |