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| 1 | Exhaustive search: Branch-bound and backtracking  Moving from one city to other cities where each city visits only once. | Navya  Amruth |
| 2 | Solve the TSP problem using greedy method and backtracking. | Nageshwari |
| 3 | Considering both algorithm BFS and DFS .  Convert problem into dicision problem to accept tour cost less than ‘T’ (Least cost entry method) | Deepika  Ashwini |
| 4 | a)Find the shortest way from source to destination.  b)Find Shortest way to destination from any place or from all places using forward dynamic programming. | Prajwala and Shushma |
| 5 | a)Find the shortest path from S to T using backward dynamic programming.  b)Find the shortest path from S to all other places. | Murali |
| 6 | a)Give the combinations for Boolean variables which produces a false output abc+ab’c+ab’c’ (use any method backtracking, backward dynamic, forward dynamic or greedy algorithm). | Roopa  Shashirekha |
| 7 | Considering both algorithm BFS and DFS .  Propagate intelligence to get the best cost tour and least cost tour . | Nandini and Abhilash |
| 8 | Find any pair shortest path or all pair shortest path(I,j). | Anusha and Nimisha |
| 9 | Slove the TSP problem using dynamic programming plot grapg against time verses exhaustive search. | Roshini and Anjan |

**CYCLE 16:**

**METHOD:ROUND TOUR PROBLEM**