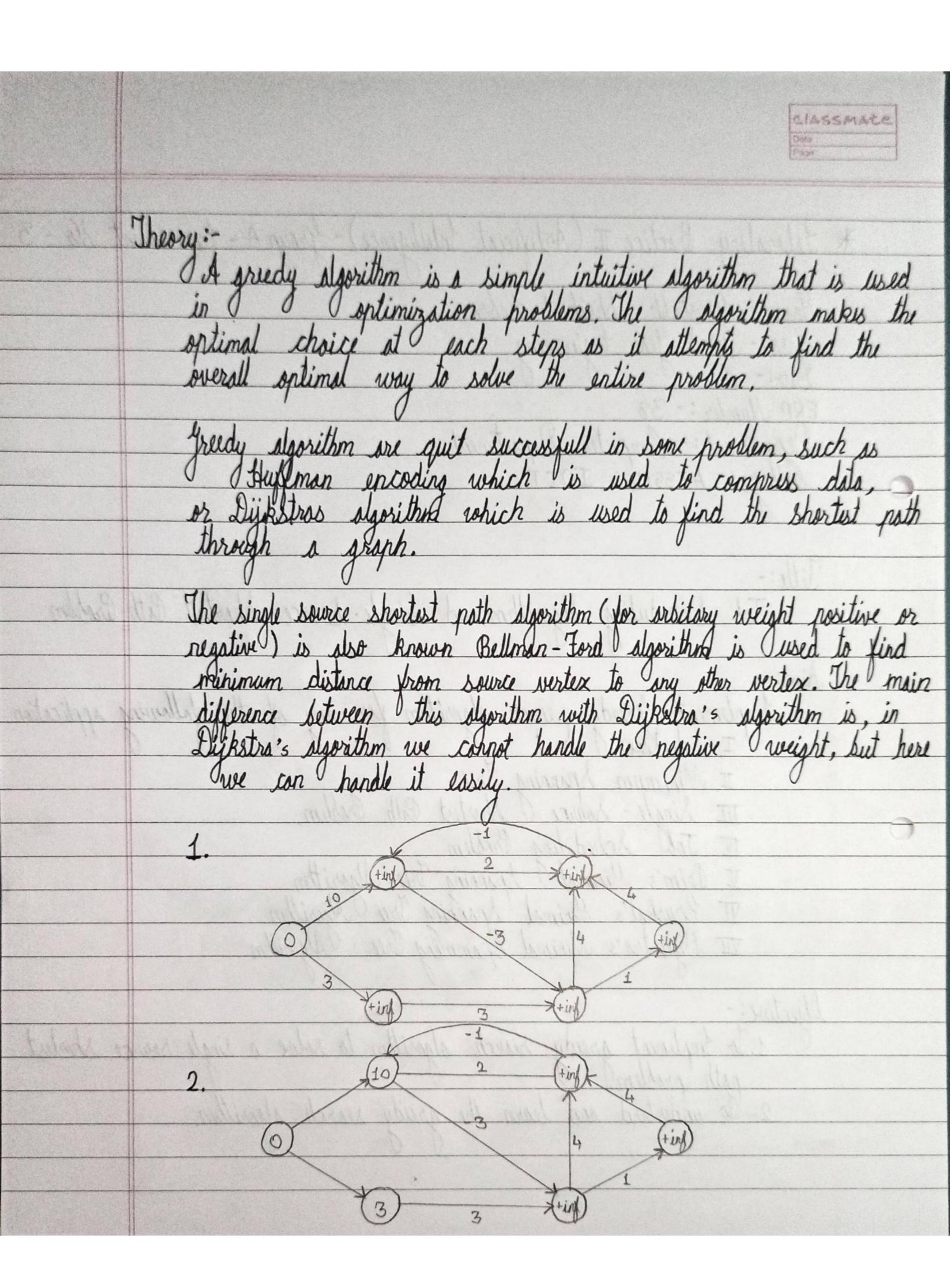
Classmate * Laboratory Bractice II (Artificial Intelligence) - Group A - Experiment No. - 3 Name: - Skaustubh Shrikant Skabra. Class: - Third Year Engineering. ERP Number: - 38 Department: - Computer Department Collège: - AISSMS's IOIT Job Scheduling Algorithm and Single-Source Shortest Path Broken Implement Greedy search algorithm for any of the following application I selection Sort algorithm for any of the following application II. Mirimum Spanning Irll III. Single-Source Shortest Path Brothern, IV. Job Scheduling Problem I Prim's Minimal Spanning Tree Algorithm

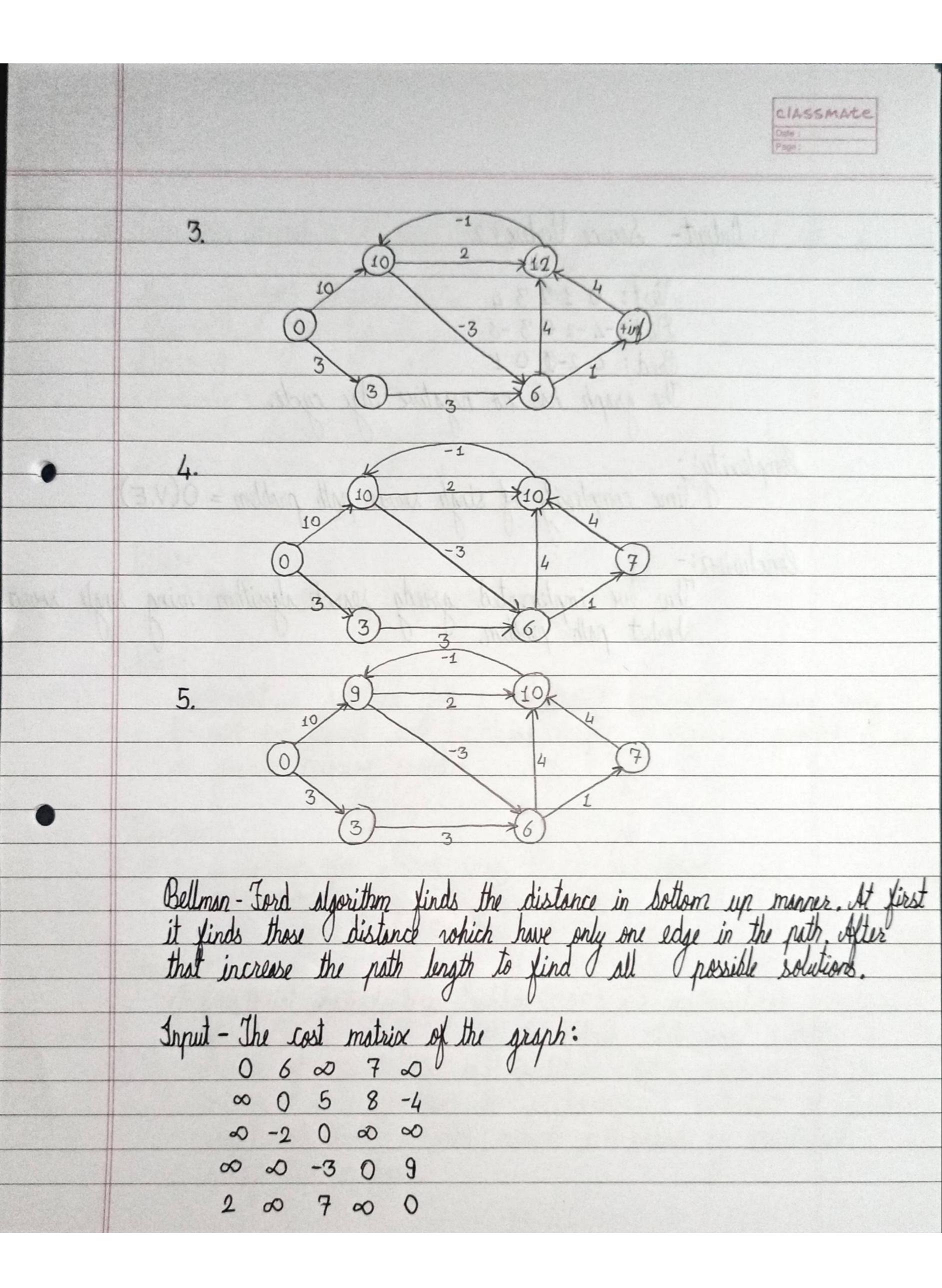
II Gruskal's Minimal Spanning Tree Algorithm.

III Dijkstra's Minimal Spanning Tree Algorithm. Abjective:
1. To simplement greedy search algorithm to solve a single-source shortest

path problem

2. To undestand and learn the greedy search algorithm.





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Autput-Source Vertex: 2 Vert: 0 1 2 3 4
Viert: 0 1 2 3 4 Dist: -4-2 0 3-6 Bred: 4 2-0 0 1 The graph has no regative edge cycle. Complexity:
lomplexity: - Jime complexity of single source path problem = O(V.E) lonclusion: - Thus we implemented greedy search shorten using single source shortest path problem.
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