

Topics by Section

2.2 Prüfer code, Cayley's Formula

2.3 minimum weight spanning tree, weighted graph, Kruskal's Algorithm for finding minimum weight spanning trees, Dijkstra's Algorithm for finding the distance between all vertices and a given vertex, Breadth-First Search for finding distances in an unweighted graph, Chinese Postman Problem

3.1 matchings, perfect matching, saturated/unsaturated vertices, maximal/maximum matchings, M -alternating path, M -augmenting path, symmetric difference, Berge's Theorem (3.1.10), Hall's Condition, Hall's Theorem (3.1.11), vertex cover, König-Egerváry Theorem (3.1.16)

3.2 Augmenting Path Algorithm, Hungarian Algorithm