
2. **NP-Completeness of MIS.** MIS (or equivalently Maximum Clique or Minimum Cover) was one of the original 21 problems that Karp proved is NP-complete in 1972 [7].

3. **Tarjan-Trojanowski Algorithm.** Tarjan and Trojanowski’s 1977 algorithm is in [17].

4. **Induced Path Theorem.** The theorem is in [6], and the proof there is credited to Fan Chung.

5. **Lovasz’ Theta.** The original Lovasz paper is [12]. Knuth wrote an interesting 1991 paper with several equivalent definitions [8].

6. **Matching, König’s Theorem, Hungarian Method.** Berge’s 1957 theorem is in [2]. The Hungarian Method was first presented by Kuhn in [10]. The history of König’s Theorem, as well as proofs of several interesting equivalent theorems is in Lovasz and Plummer’s classic book on matching theory [13].

7. **König-Egervary Graphs.** The original papers were due to Deming and Sterboul, both in 1979 [5] [16].

8. **Integer Programming and Fractional Independence.** Balinki’s Lemma is usually cited as [1]. The Nemhouser-Trotter Theorem is in [14]. The Picard-Queyranne Theorem is in [15]. The Independence Decomposition Theorem is in [11].

**References**


