Exercises solved at the recitation on 9. 10. 2007

- A matching is maximum if and only if it has no augmenting path.
- For a graph G, a matching M of G and a blossom C in G, the matching M is maximum in G, if and only if $M \setminus C$ is maximum in $G.C$.
- The Edmonds algorithm runs in polynomial time.
- Each 3-regular 2-edge-connected graph has a perfect matching.
- In every 3-regular graph, each matching contains all the bridges.