

**Exercises solved at the recitation on 13. 11. 2007**

- Determine the choosability of the following graphs:
  - the complete graph  $K_n$  with one edge removed
  - the cycle on  $n$  vertices
  - the complete bipartite graphs  $K_{2,3}, K_{2,22}, K_{3,3}, K_{3,3333}$
- Show that for every graph  $G$  on  $n$  vertices, we have the inequality  $\text{ch}(G) + \text{ch}(\overline{G}) \leq n + 1$ , where  $\text{ch}(G)$  denotes the choosability of  $G$  and  $\overline{G}$  denotes the complement of  $G$ .