MA651 Topology. Homework 6

Homework due March 21, 2006

1. Find the mistakes in the lecture notes (I have intentionally made several mistakes, and you might find even more).

2. Consider the questions given as a homework in the lecture notes (i.e. prove Proposition 37.1, Proposition 37.2, Proposition 38.3, Proposition 39.1)

3. Learn Theorem 41.1 and complete the proof (i.e. prove *v*), *vi*), *vii*), and *viii*).

4. Prove: T_0 and T_3 imply T_2.