T-122.103 EXERCISE 6/2003

In T4 on 14 November 2003 at 12:15–14 o'clock.

Recall the notation for the sets of variables: $ABC = \{A, B, C\}$ etc.

1. Investigate the data set "smallilmo" to see if you can find any fragments of order of length 3 from it.

2. Given a 0/1 data set with n rows and where the attributes are independent and 1 with probability p, what is the expected number of violations of a fragment $A < B < C$.

3. We considered in the lectures the greedy approximation algorithm for the set cover problem. What other types or additional heuristics could one use for this task?