

Tutorial 7

1. Prove that reachability is reducible to non-liveness in general Petri nets.
2. Show that the reachability problem for free-choice Petri nets is not easier than for the general nets.
3. How to compute a maximal trap in a given set S of places in a polynomial time?
4. Prove that liveness in free-choice Petri nets is co-NP complete.

Homework (not mandatory)

1. Finish the proof for problem 4.