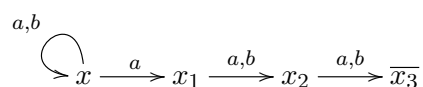


Comet, exercises 7

Bring your answers to next course (Nov 8)

1 Algorithms

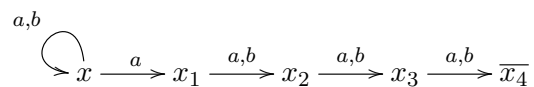
Consider the following non-deterministic automata



Question 1.1 Compute the minimal deterministic automata accepting the same language of x : first determine the automata and then use the partition refinement algorithm seen at lesson.

Question 1.2 Use the algorithm HKC to check whether x and $x + x_3$ accept the same language.

Consider the following non-deterministic automata



Question 1.3 How many states has the minimal deterministic automata accepting the same language of x .