BLG311E: Formal Languages and Automata
Homework #1
Due Date: 02.10.2014, First Lecture Hour

Rules: Answers must be **hand-written** in a **readable** form
All solution steps must be **clearly** shown
Homework must be submitted as printout in the first hour of the class

For the alphabet $\Sigma = \{a, b\}$,

1) Construct an NFA that accept the set of all strings that have **either** the number of a's odd, **or** the number of b's not a multiple of 3, **or both**.

2) Convert this NFA to an equivalent DFA.