

Assignment 5

Automata & Theory of Computation

Student ID:

Name:

1. Find a regular expression for the language

(1) $L = \{ a^n b^m : n \geq 3, m \text{ is odd} \}.$

(2) $L = \{ a^n b^m : n \geq 3, m \leq 4 \}.$

2. Find an nfa that accepts $L(r)$, where $r = (a^*a + ab)$.