Assignment 5

Automata & Theory of Computation

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1. Find a regular expression for the language

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

P = aoa (a)* (bb)*b

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

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

