

Reducing the Number of States in FA

Find minimal dfa's for the following languages

1. $L = \{a^n b^m : n \geq 2, m \geq 1\}$
2. $L = \{a^n b : n \geq 0\} \cup \{b^n a : n \geq 1\}$
3. $L = \{a^n : n \geq 0, n \neq 3\}$