

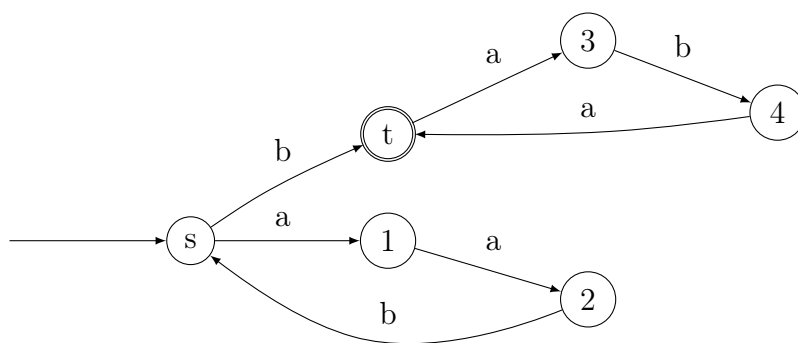
DFA 4

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1

$$L = \{(aab)^n b (aba)^m \mid n \geq 0, m \geq 0\}$$



2

$$L = \{uaav \mid u \in \{a, b\}^*, v \in \{a, b\}^*, |u|_b \geq |v|_a\}$$

3

$$L = \{a^m w \mid w \in a, b^*, 1 \leq |w|_b \leq m\}$$

4

$$L = \{a^k b^m a^n \mid k = n \vee m > 0\}$$

5

$$L = \{ucv \mid u \in \{a, b\}^*, v \in \{a, b\}^*, u \neq v^{Reverse}\}$$