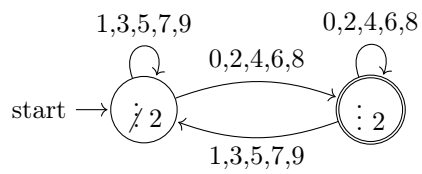


2

$$\begin{aligned} L &= \{b, ab\}, R = \{\epsilon, a\} \\ |L(R)^r| &= |\{b, ab, ba, aba\}| = 4 \\ |L^r R| &= |\{b, ba, baa\}| = 3 \end{aligned}$$

3



4

$$L = \{ \alpha ababb\beta \mid \alpha, \beta \in \{a, b\}^* \}$$

