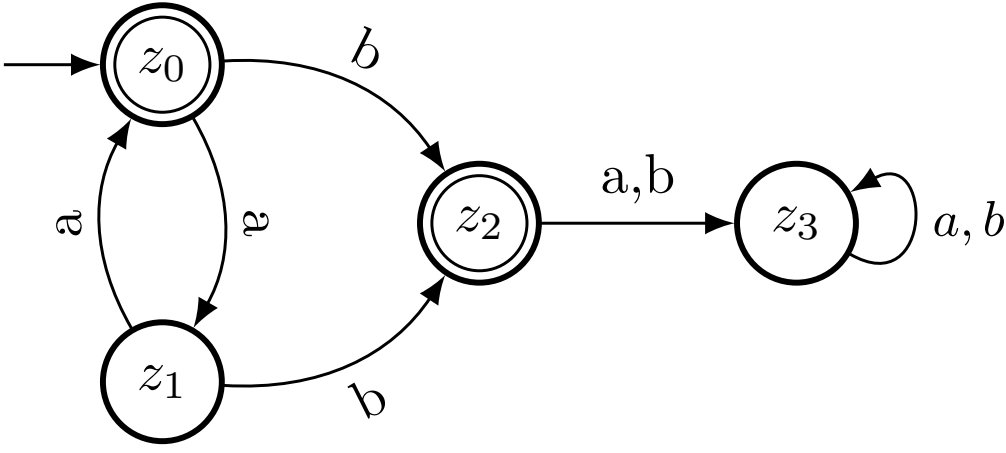
Deterministic Finite Automaton



$$D = \left(\underset{Menge}{\overset{\text{Zustände}}{Z}}, \underset{Alphabet}{\overset{\text{Eingabe}}{\Sigma}}, \underset{Z\times\Sigma\to Z}{\overset{\text{Übergangsfkt.}}{\delta}}, \underset{\in Z}{\overset{\text{Start(s)}}{S}}, \underset{\subseteq Z}{\overset{\text{Endzust.}}{E}} \right)$$

$$T(D) = \left\{ x \in \Sigma^* \mid \hat{\delta}(S, x) \cap E \neq \varnothing \right\}$$