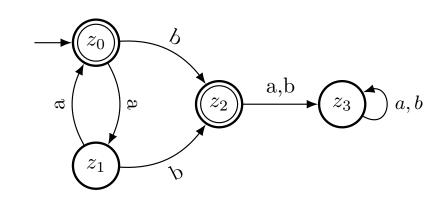
## Deterministic Finite Automaton



$$D = \begin{pmatrix} \text{Zustände} & \text{Eingabe} & \text{Übergangsfkt. Start(s)} & \text{Endzust.} \\ Z & , & \Sigma & , & \delta & , & S \\ Menge & , Alphabet & Z \times \Sigma \rightarrow Z & , & \in Z \end{pmatrix}$$

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