

Deterministic Finite Automata (2.2)

- Definition

DFA: Set of states, input alphabet, transition function, start state, set of accepting states.

Usual notation: Q , Σ , δ , ?? (I've seen " S "), F .

Examples.

- Representing DFAs

Transition diagrams (a.k.a. “state diagrams”).

Transition tables.

- Extending the Transition Function & the Language of a DFA

From δ to $\hat{\delta}$.

Accepting a language.