More About NFAs and DFAs

CS 712
Dept. of Computer Science
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Theorem. Any NFA can be transformed to an equivalent DFA.

Proof. By subset construction.

Key Idea. $\lambda$-closure of a state $s$ is $s$ plus all states that can be reached from $s$ by using only $\lambda$ arcs.
example \((ac* b)* | (\langle ab \rangle | (bc))\)*