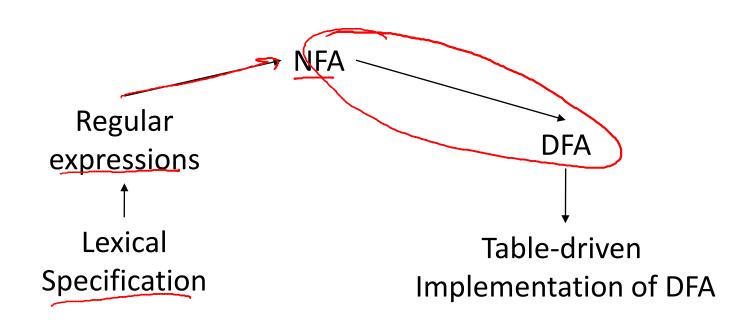
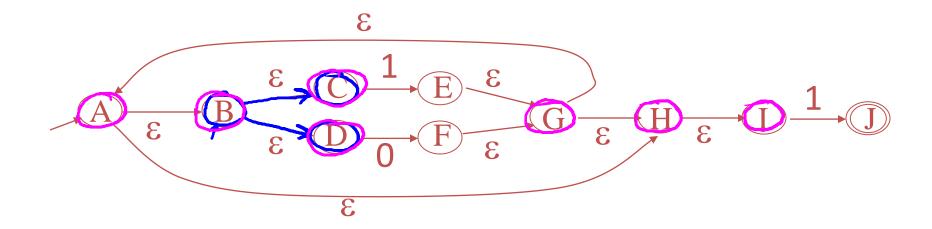


Compilers

NFA to DFA

NFA to DFA





NFA to DFA

• An NFA may be in many states at any time

How many different states?

$$N$$
 states $S1 \leq N$

states ses start FSS final {y | xeXn x >

E-clos

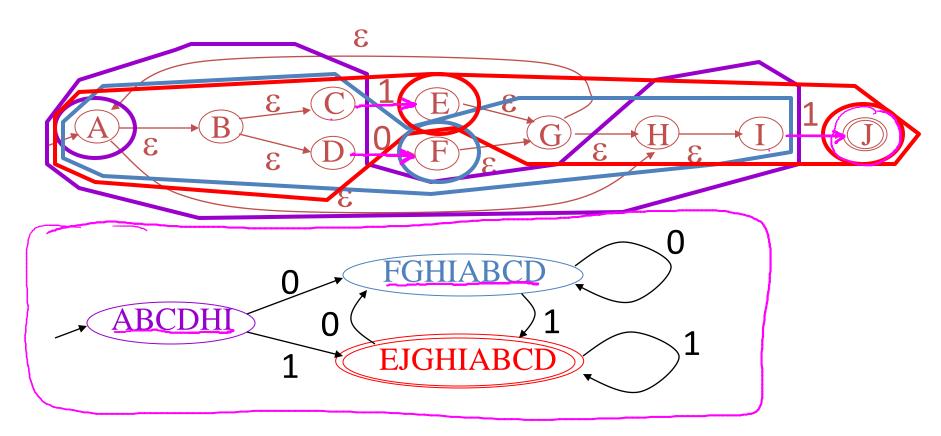
NFA to DFA

DEN subsets of S e-clos(5)

inal
$$\{X \mid X \cap F \neq \emptyset\}$$

 $X \xrightarrow{\alpha} Y$ if
 $Y = \epsilon - clos(a(X))$

NFA to DFA



RegExp to NFA

Choose the NFA that accepts the following regular expression: 1* + 0

