Sept 21

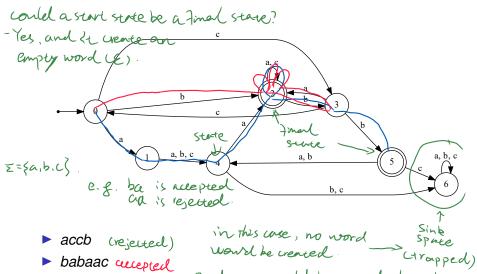
COMPSCI 3331

Fall 2022

## What's next?

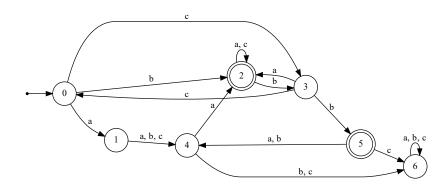
- Current location: Lecture 3.
- Tuesday more on Lecture 3.
- Assignment 1: out by Sept 27 (at the latest), due Oct 11.
- Quiz 1: Sept 28 (Lecture 2...)

## DFA membership



- ► accb (rejected)
- ▶ babaac accepted
- ► abachb accepted < Final serte could be passed through

## DFA language



What is the language accepted by this DFA?

Set of all words that lead us from the initial state to the final state.

DFAs DFA = the larger age

Build DFAs for the following languages. The only restriction

- ▶  $L_1 = \{x \in \{a, b, c\}^* : |x|_b \equiv 0 \pmod{3}\}.$
- $L_3 = \{(abbd^i)^{\frac{1}{2}}: i \geq 0, j \geq 0\}$

