

Oct 4–5

COMPSCI 3331

Fall 2022

# What's next?

- ▶ Quiz 1 grades available now on gradescope
- ▶ Assignment 1: out now, due Oct 11.
- ▶ Quiz 2: Oct 5. Lecture 4, part 3.
- ▶ Midterm: October 25.
- ▶ Office hours: this Thursday - 1-3 PM.

## A1 Q1

- ▶  $L_1 \subseteq L_2$ . What does it mean?
- ▶ How do we use this?

# Subset Construction

# Reg exp to $\varepsilon$ -NFA example

Translate  $r = (aba)^*(bb + aa)$

# DFA to Reg Exp example

# Midterm Format

- ▶ Midterm will be a **two-stage exam**
- ▶ Contains both an individual and a group portion.
  - ▶ You write the individual portion, then hand it in.
  - ▶ You get into groups of 4 (assigned).
  - ▶ You solve a subset of very similar problems with your group and hand in **one copy**.
- ▶ Your mark will **never go down** because of the group portion.

# Midterm Format

- ▶ You must write both parts of the midterm.
- ▶ Individual Portion: 90 % of your grade.
- ▶ Group Portion: 10 % of your grade.
- ▶ But your mark will never go down because of the group portion (if you write it). ( $\max(.9S_1 + .1S_2, S_1)$ )
- ▶ Time: 80 minutes for individual stage, 5 minutes to find groups, 20 minutes for group stage.



# Midterm Groups

- ▶ Groups have been assigned randomly.
- ▶ Group numbers and names will be distributed to you before the exam
- ▶ A map of the exam room will be distributed showing the meeting zone for all groups.
- ▶ Practice Group finding time on Oct 18 in class.