Nov 15

COMPSCI 3331

Fall 2022

What's next?

- ▶ Assignment 3: due Nov 22.
- ▶ Quiz 6 tomorrow - **Lectures 9 and 10**.
- ▶ Midterm marks: now available. Remark requests due Nov 24.
- ▶ Assignment 2, Quiz 5: being marked.

Assignment 3

- ▶ Question 3: Algorithm to determine if $\exists x \in \mathrm{out}(z) \cap L(G)$.
- ▶ G is in CNF.
- ▶ What doesn't work?

What language is accepted by this PDA (empty stack)?

Converting CFG to PDA

$$S \rightarrow aSdA \mid T$$
$$T \rightarrow bTc \mid \varepsilon$$
$$A \rightarrow eA \mid e$$

Converting PDAs to CFGs

Non-CFLs

$L = \{a^n b^n c^n \ : \ n \geq 0\}.$