Oct 19

COMPSCI 3331

Fall 2022

What's next?

- Assignment 1: solutions available. Marks available before A2 deadline.
- Assignment 2: due Oct 26.
- Quiz 2 marks available now.
- Midterm: October 25. Includes at least all of Lecture 8.

Choose your difficulty!

More examples

- $ightharpoonup L_1 = \{a^i b^j c^i : i, j > 0\}.$
- $ightharpoonup L_2 = \{a^n b^m : n > m\}$
- ► $L_3 = \{a^n b^m : n \neq m\}$
- $L_4 = L_1^*$.
- ► $L_3 = \{a^i b^j c^k : i = j \text{ or } j = k\}.$

Removing Uselses Symbols

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S \rightarrow aaBaA \mid aHE \mid caDbb
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$$A \rightarrow HE \mid AHH$$

$$B \rightarrow aB \mid \varepsilon$$

$$C \rightarrow CC \mid a$$

$$D \rightarrow aba$$

$$E \rightarrow EEF \mid aEaa$$

$$F \rightarrow aF \mid aG \mid ababb$$

$$G \rightarrow GG \mid aGa \mid \varepsilon$$

$$H \rightarrow Ha$$