### Tutorial 7

COMP 355: Introduction to Theoretical Computer Science

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# Outline

- Question 1
- 2 Question 2
- Question 3
- Question 4
- Question 5
- Question 6



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#### Question 1

$$L = \{0^n \# 1^n | n \ge 0\}$$



- Question 1
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#### Question 2

$$L = \left\{ v11v^R | v \in \{a, b\}^+ \right\}$$



- Question 1
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#### Question 3

$$L = \{a^n b^n | n \text{ is a multiple of 5}\}$$



- Question 1
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#### Question 4

$$L = \{a^n b^n | n \text{ is not a multiple of 5}\}$$



- Question 1
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### Question 5

$$L = \{0^n 1^m | n = 3m + 1\}$$



- Question 1
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### Question 6

$$L = \{0^n 1^m | n \neq 3m + 1\}$$

