

INT201 Decision, Computation and Language

Tutorial 5

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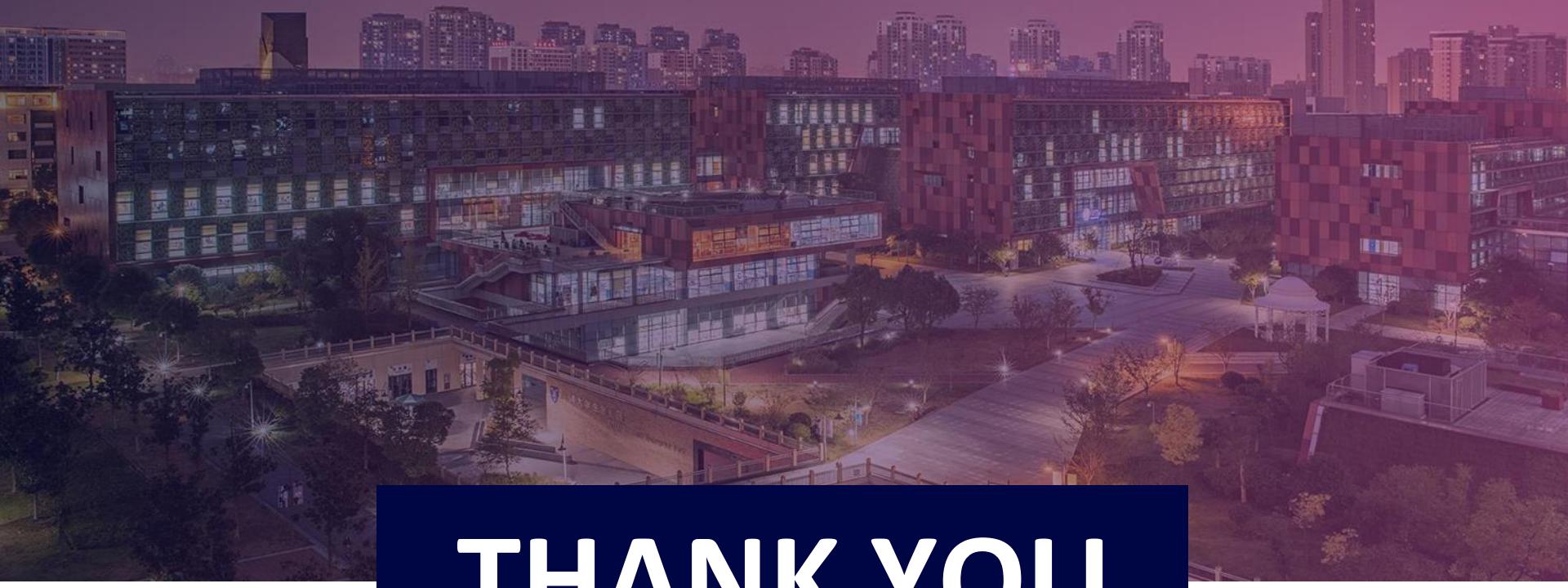
1. Prove the following language is not regular

$$L = \{w \in \{a, b\}^* \mid w = w^R\}$$

2. Prove that if we add a finite set of strings to a regular language, the result is a regular language.

3. Convert the regular expression $(00)^*(11)$ into an NFA.





THANK YOU