Finite Automata and Regular Expressions (3.2)

Comment: Restriction on REs.

- From RE to Automaton

We show, given a regular expression $R$, that there exists an $\epsilon$-NFA with

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whose language is ________________.
• From Automaton to RE

We show, given a DFA $D$, that there exists a regular expression whose language is ______________.
• Conclusion

**Theorem.** Given a language $L$, the following are equivalent

1. 

2. 

Languages that meet any of the equivalent criteria in the above theorem are called

_____________________________ ________________________________.