Lecture 18 - March 19

Model Checking

Nested Temporal Operator: GF¢

Exercise: Go vs. GFo

Exercise: FG vs. GF

Announcements/Reminders

- ProgTest2 focuses on Lab2 (no Lab3).
- WrittenTest2 date remains unchanged.
- ProgTest1 results & feedback released
 - + Submit a regrading request if necessary.
- WT1 results & feedback released
- Lab3 solution released
- Office Hours: 3pm to 4pm, Mon/Tue/Wed/Thu
- TA contact information (on-demand for labs) on eClass

Nesting "Global" and "Future" in LTL Formulas



Each path starting with s is s.t. continuously, ϕ eventually holds.

Q. Formulate the above nested pattern of LTL operator.

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Model Satisfaction: Exercises (6.1)



Exercise: What if we change the LHS to s₂?

Model Satisfaction: Exercises (6.2)



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Exercise: What if we change the LHS to s₂?







