Lecture 12 - Oct 21

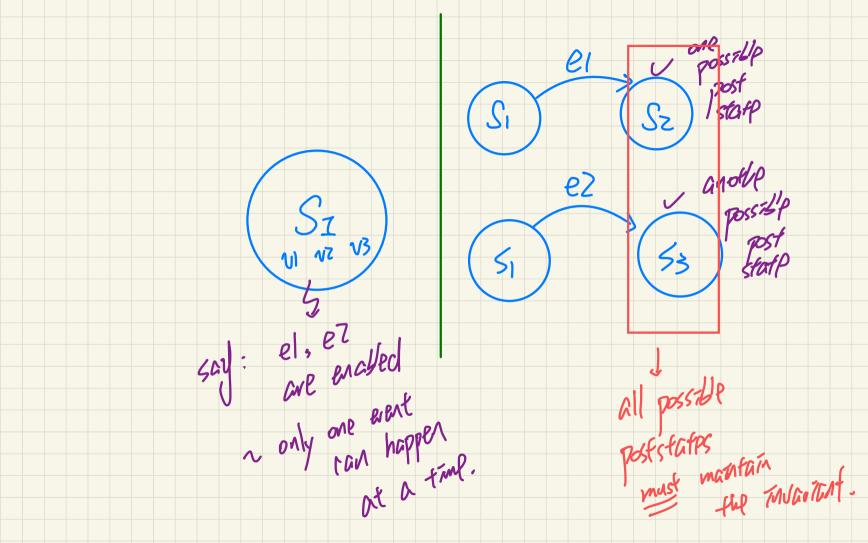
Bridge Controller

Before-After Predicate, Inv. Preservation Formal Model Components WrittenTest1 Review

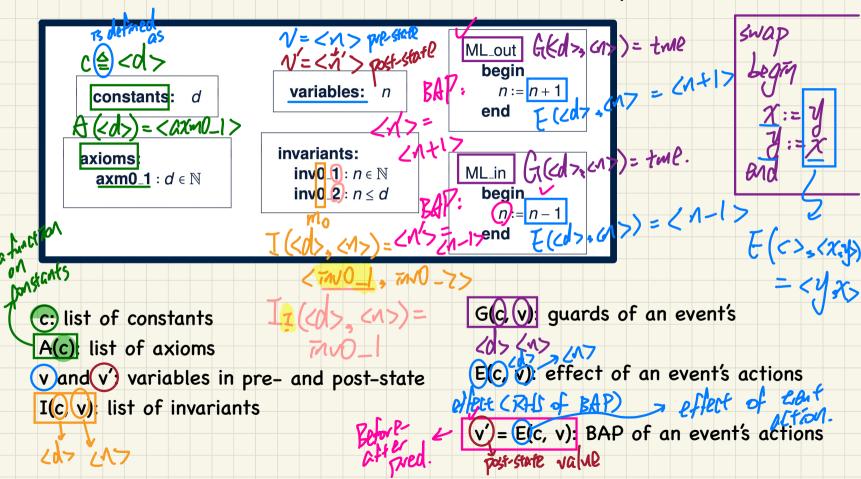
Announcements/Reminders

- Today's class: notes template posted
- ProgTest being graded
- WrittenTest1 (Oct 22) tomorrow

Transition of an Event a ∈ dan(b) mather b: ACOUNT -> Z withdraw Post-starp I Va. a & dom(b) => a: Account where a < dom(b) withdraw grass to Va. a∈ dou (15) > effect of event. b 4 { a 1 > b (a) - v3 b 4 [a 1-> b(a) - v3



PO/VC Rule of Invariant Preservation: Components



AXMO_ model modex Mo of axioms. Bried least accurate most accurate Event-B summary
Ly placed desktop. vorrect: botal = partial = 121 Print ppy four own) mosé attavall: 5 37 IPCSF ACCURAR : 500

a: N +> (Z) all rangers A: N) -> Int

Lesible)

Chapt presible)

Chapt presible)

A: N ->> Z (not feasible) A: N ->> Int (feasible).

 $\frac{1}{2} \frac{1}{2} \frac{1}$ Well-de-med ex Pubsitions S= {a,b, c} $\gamma: S \longleftrightarrow T$ T= {1.23 La valid relation contains members for J and T only. v1 = { (a,1), (b,z), (a,z)} v[[fc3] = p v[[fa65] 745 not well-defined.