EECS3342 System Specification and Refinement (Winter 2022)

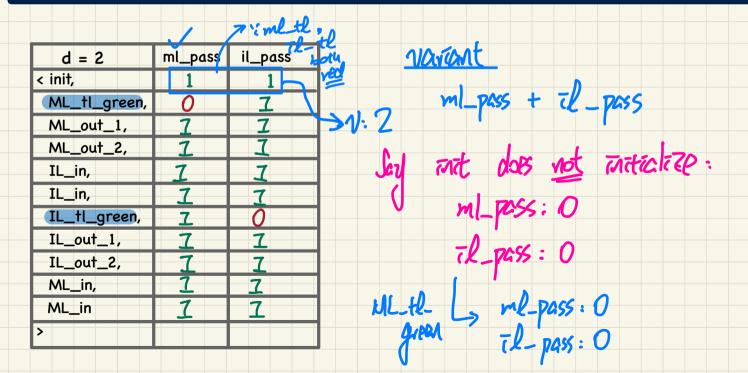
Q&A - Week 10 Lectures

Thursday, March 31

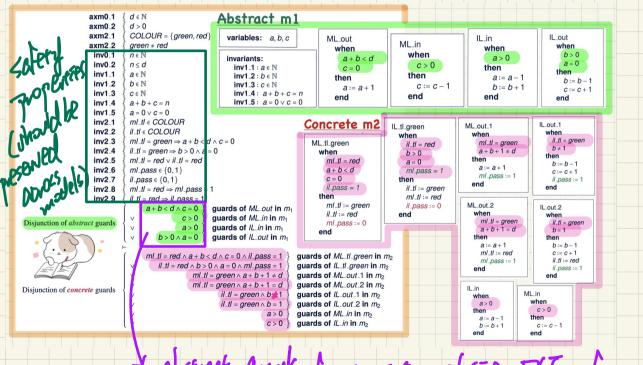
Announcements

- nnouncements + Lecture W11 released
- + Written Test 4

Here we state that ml_pass and il_pass are 1 because init does not establish them and neither ML_tl_green or IL_tl_green have occured, but if init does not establish them, would they not have a nondeterministic value prior to the first occurrences of ML_tl_green or IL_tl_green?



For the PO of DLF in m2, why do we not include the abstract guards from mO? We include the axioms and invariants from that model, so why not the guards as well?



Abstract grands for paring relative TCF of m2 and

Towards the end of the lecture you explain the splitting of events.

I was wondering for ML_out.1, the guard,

would a + b + 1 < d be a better design than a + b + 1 /= d?

If we reach the edge case where we hit the max amount of cars, the guard would still pass Or is the ML_tl.green guard (a + b < d) sufficient enough to resolve this issue since we have the predecessor statement "ml_tl = green"?

The same applies to IL_out.1 where b > 1 instead of b /= 1. Thanks! Thanks! Thanks! Thanks!

