Overview

For the week of February 19-23 in PLTL, we plan to go over simulations. In the lecture, they went over simulations and reviewed DFS/BFS briefly. We stressed the importance of simulations so that we know how a system would behave with a given set of inputs.

- Ask the students if they have any questions 2 min
- Note cards to fill out 3 min
  - Answer some questions (anonymously) that students had
- Break students into groups (random countoff) 5 min
  - Groups of two or three (for MWF session: ~19 students, count off to 7)
  - Next birthday (group leader – participation)
  - Middle birthday (recorder)
  - Latest birthday (timekeeper)
- In groups the students discuss the usage/implementation 15 min
  - DFS/BFS
  - Pick someone at random to present to board.
- Give an simulation example (Elevator simulation) 10 min
  - What events take place?
  - What data structures we should use? Why?
- Simulation example (Hospital emergency room) 15 min
  - What data structures we should use? Why?
  - What events take place?
  - What is the differences in elevator and hospital?

Total Time: 50 min