

# CE 572 – Spring 2015

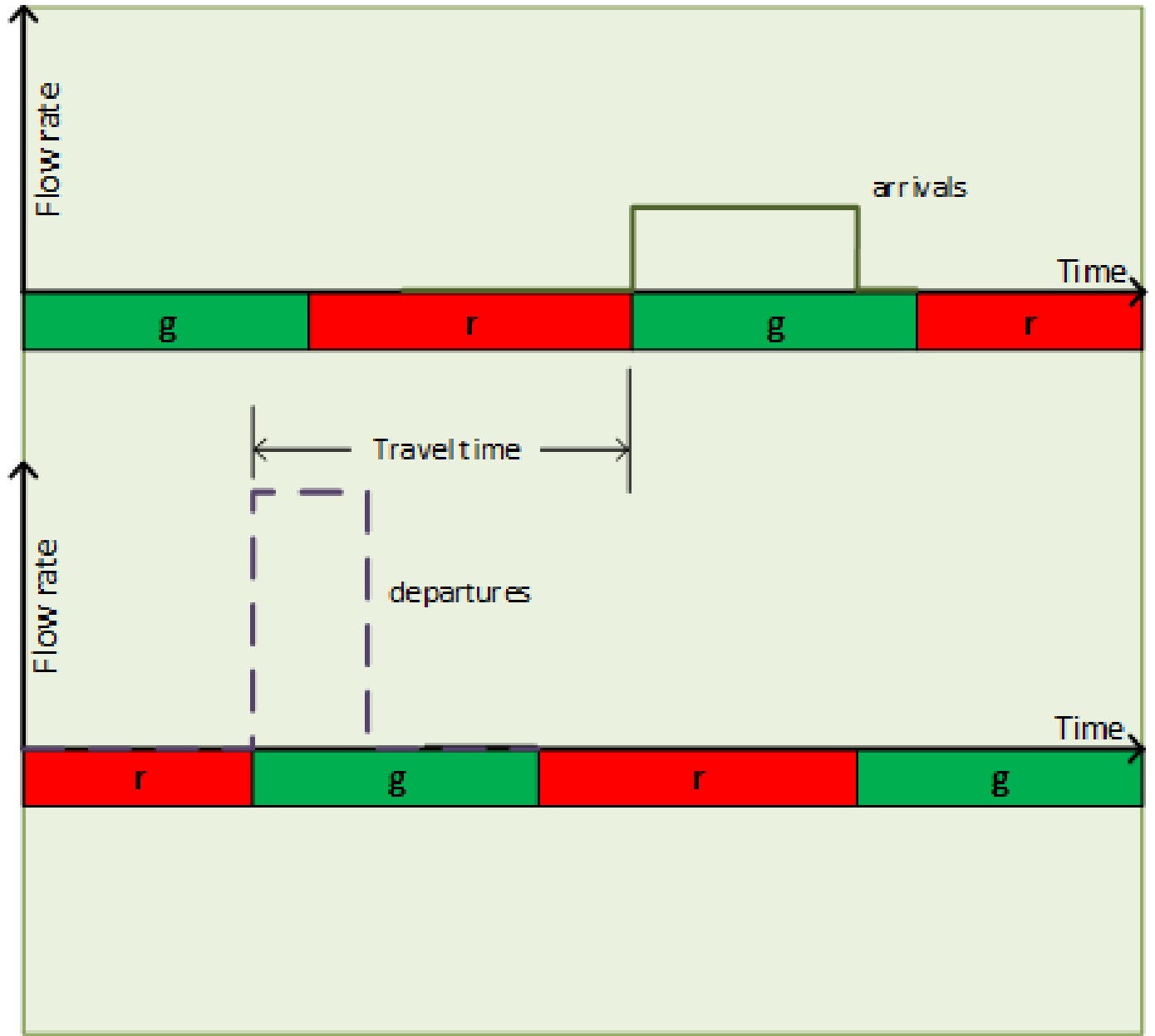
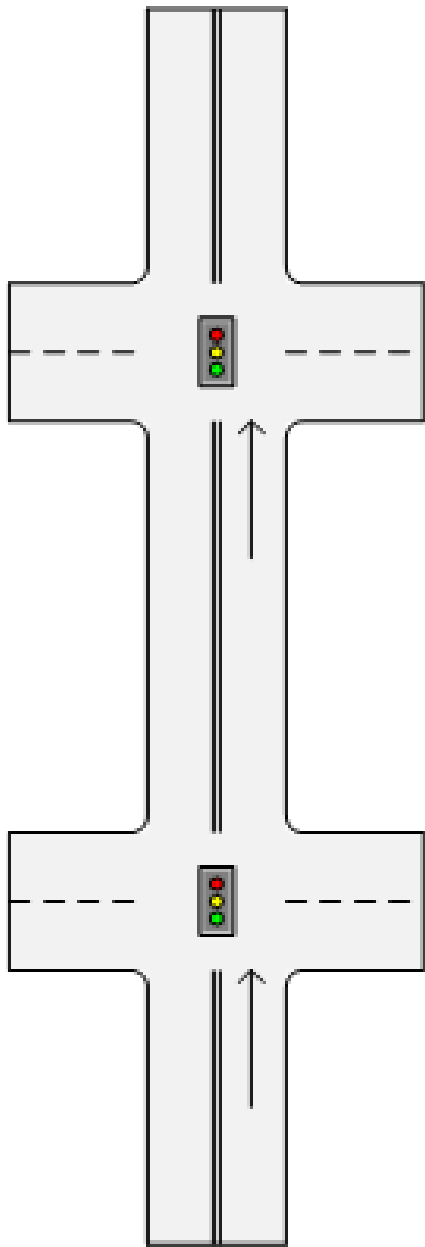
Intersection Traffic Operations

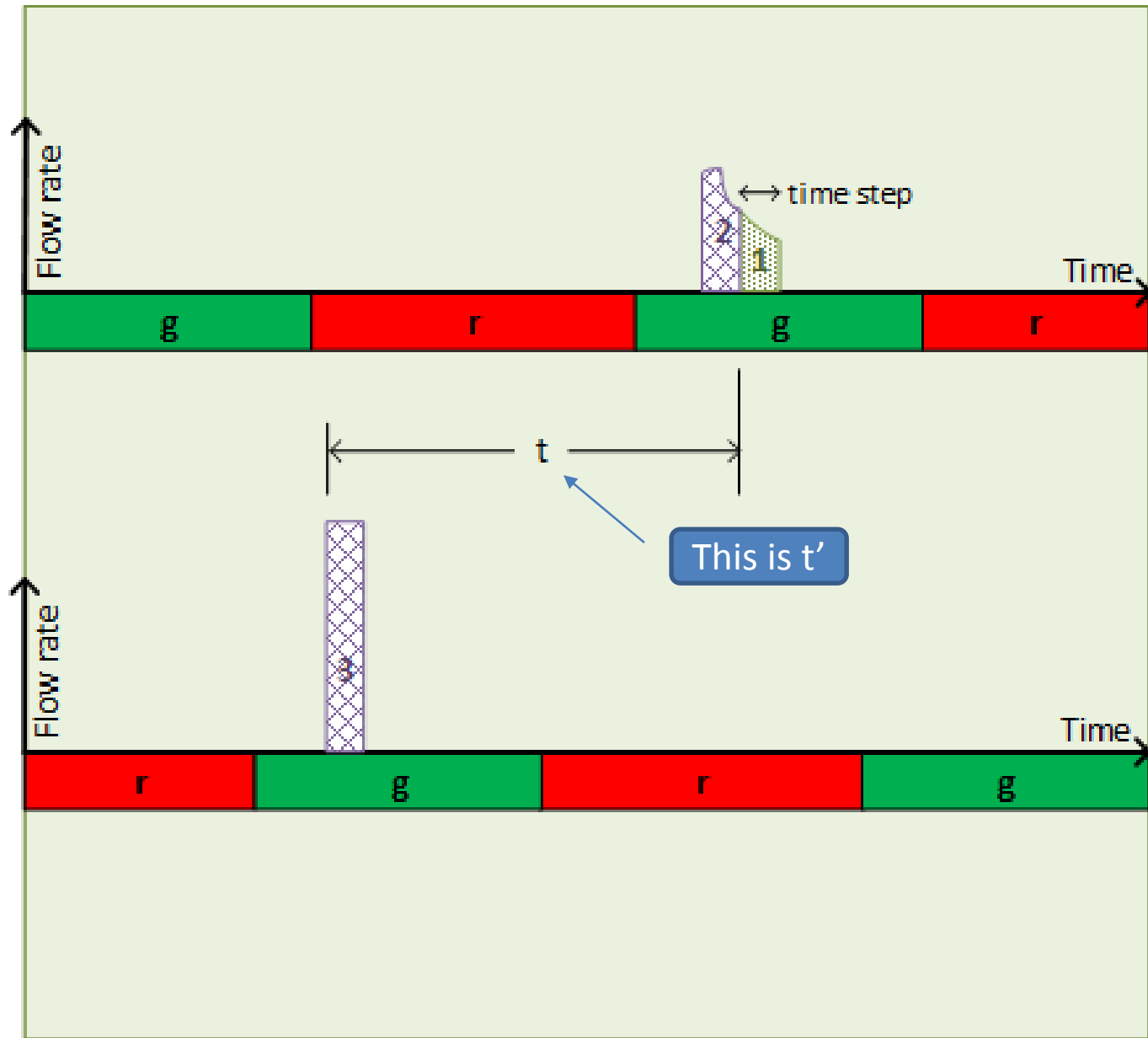
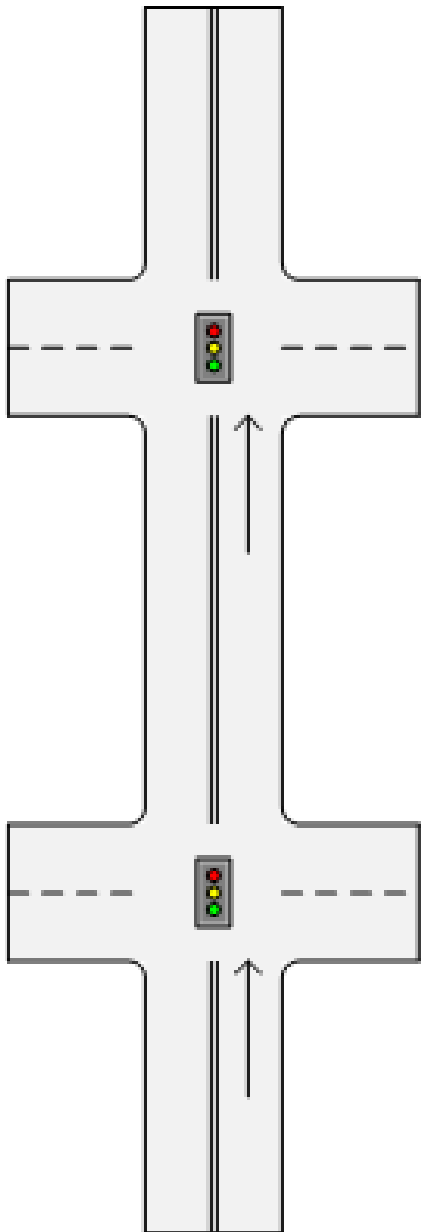
Class 08

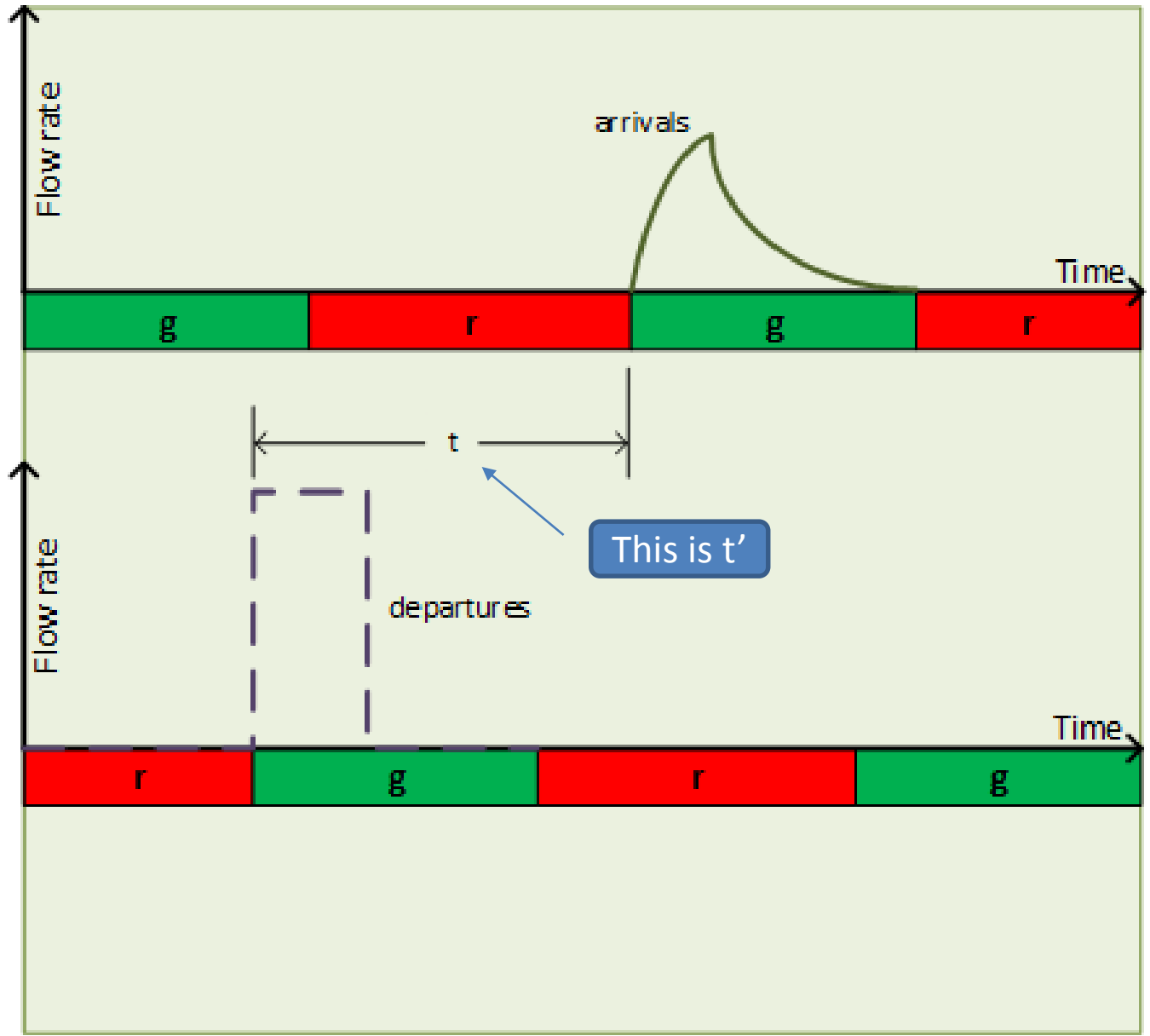
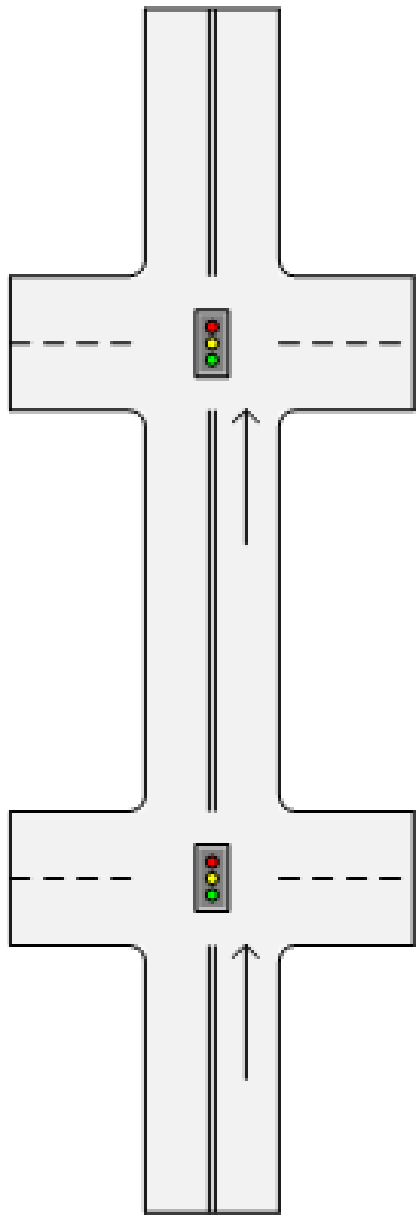
4 February 2015

For next time...

**Assignment 13 - TWSC intersection simulation model (reading)**  
Simulating Traffic Flow at a TWSC Intersection (see Resources page)







## Group Assignment (12b)

- Deliverable: Word document and Excel spreadsheet with your analysis and summary.
  1. Verify that the departing flow from the signalized intersection equals the arrival flow at the downstream TWSC intersection.
  2. Under what condition is movement 8 blocked?
  3. Calculate the proportion of the cycle that movement 8 is blocked?
  4. Prepare a chart showing the conflicting flow for each time step for one cycle; add a second line showing the critical flow.
  5. Estimate the potential capacity for one cycle and for one hour; describe the method that you used for your estimate.