

CS16 Section 9 Mini-Assignment

Due in your section the week of:

4/15 - 4/17

Please bring a hard copy of your answers to section!

Write brief (no longer than 5 sentence) responses to each of the following.

Problem 1: Spanning Trees and Forests

What is the difference between an MST (*Minimum spanning tree*) and an ST (*spanning tree*)?
Between an MSF (*Minimum spanning forest*) and an SF (*spanning forest*)?
(How) are they related?

Problem 2: Topsort

Explain the topsort algorithm at a high level. How is it used? What does it do? What are its limitations? Then, come up with your own example (not courses/prerequisites!) where the topsort algorithm could be applied, and give examples of at least 5 nodes (i.e. classes) and a proper sorting.