

Today: Term-project prop. due (electronic submission). All-pairs shortest paths. §§ 25.*.

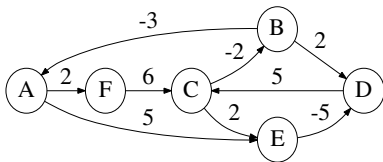
Next class: Quiz 3. Homework 4 (written) due. Wrap-up of shortest-paths algorithms.

Next week: Network flows. §§ 26.*.

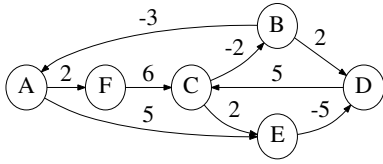
Reminders: Revise data structures, esp. pairing heaps, skew heaps, union-find.

1. List the members of your group below. Underline your name.

2. Trace the execution of the textbook's SLOW-ALL-PAIRS-SHORTEST-PATHS algorithm (p. 689) on the following graph, using Fig. 25.1 (p. 690) as a guide.



3. Repeat Question 2 using the textbook's FASTER-ALL-PAIRS-SHORTEST-PATHS algorithm (p. 691).



4. Informal homework: Repeat Question 2 using the Floyd-Warshall algorithm.