

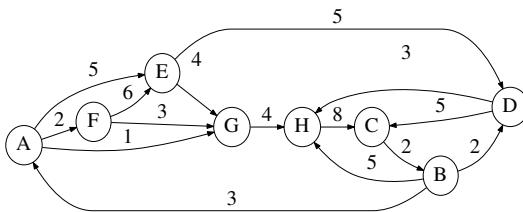
Today: Shortest paths, contd. 24. {3,4,5}.

Next class: All-pairs shortest paths. 25. {0,1,2}.

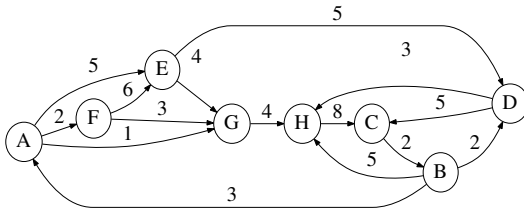
Reminders: Homework. Newsgroup. Reading. Coding. Practice. Don't fall behind.

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

2. Trace the execution of Dijkstra's single-source shortest paths (SSSP) algorithm on the following graph, with source A. Use the textbook's Fig. 24.6 (p.659) as a guide. Annotate predecessor edges with check marks.



[additional space for answering the earlier question]



3. Informal homework (self-study): Augment the answer to Question 2 with the states of the primary data structures at each step (pairing heap, union-find).