CS 260 Homework 7

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1 7.1

2 7.2

The adjacency list could be stored as a graph where the two verteces are index's and the third value is the cost for that path.

3 7.3

- A) F-H F-E F-G E-B D-C D-B B-A
- B) C-D F-H E-G A-B B-D E-G F-G D-E
- C,A) A-B B-D D-C D-E E-F F-H H-G
- C,D) D-C C-A A-B D-E E-F F-H H-G

$4 \quad 9.2$

 $a.log_2n^2\\b.log_2n^3$

 $c.log_2n^6$