

# Homework 15 - HW XV EZ

Prof Bill - Mar 2020

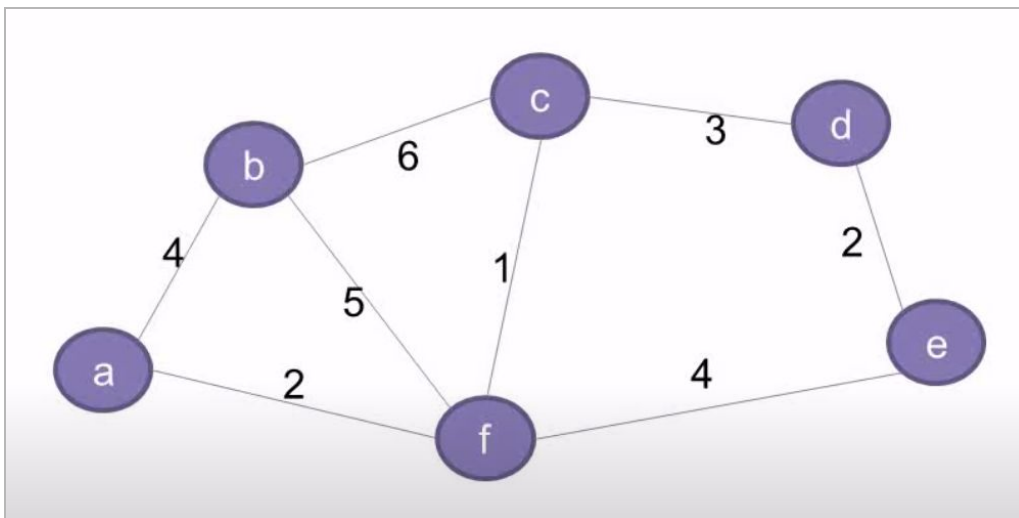
Due: **Mon Apr 20, 2020**

Waggle your notes/answers in Zoom-class. thanks...yow, bill

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## A. Kruskal's min spanning tree algorithm

Run Kruskal's on this example to determine the min spanning tree. Show your steps!



Source: [youtu.be/5xosHRdxqHA](https://youtu.be/5xosHRdxqHA)

/\* btw - if you still don't "get" Kruskal's, try that video...it's not bad \*/

## B. Graph search/traversal

BFS animation help: [www.cs.usfca.edu/~galles/visualization/BFS.html](http://www.cs.usfca.edu/~galles/visualization/BFS.html)

DFS animation help: [www.cs.usfca.edu/~galles/visualization/DFS.html](http://www.cs.usfca.edu/~galles/visualization/DFS.html)

For the example below:

- 1) Do a Breadth-First Search (BFS). Start at vert 0. Show your work and vert order.
- 2) Then, do a Depth-First Search (DFS). Start at vert 0...yadda yadda.

