

EL9343 Homework 6

(Due December 6th, 2018)

All problem/exercise numbers are for the third edition of CLRS text book

1. What is an optimal Huffman code for the following set of symbols with associated frequencies?
a:13, b:7, c:2, d:9, e:5, f:8, g:3, h:11
2. Problem 16-1
3. Run Kruskal's and Prim's algorithms on the graph in Figure 1. Show steps similar to Figure 23.4 and 23.5 in the textbook. Use node A as root for Prim's algorithm.

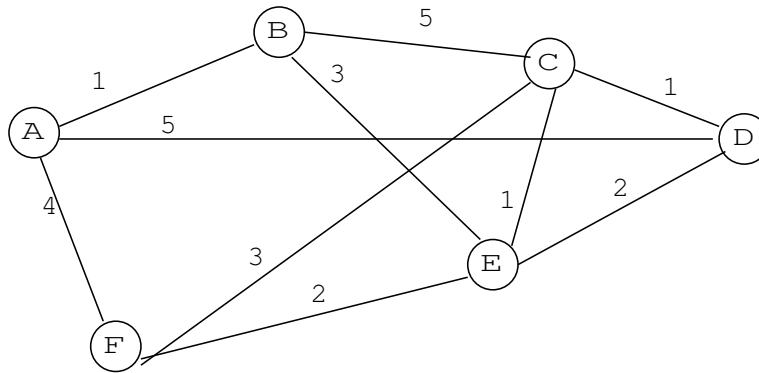


Figure 1: Undirected Graph for Question 3