

CSE 310 Recitation 12

Objectives:

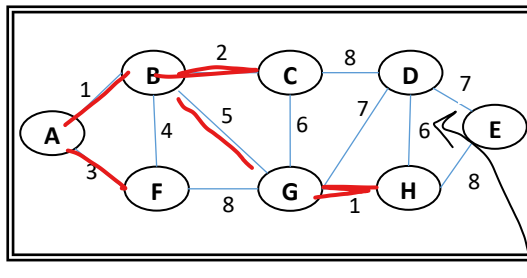
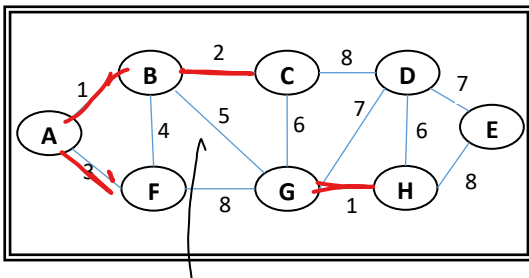
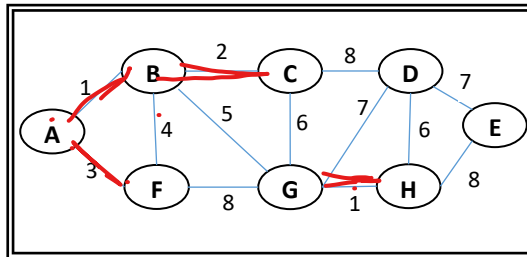
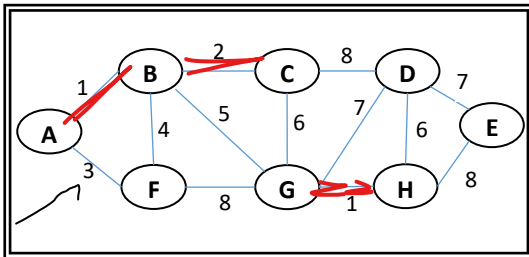
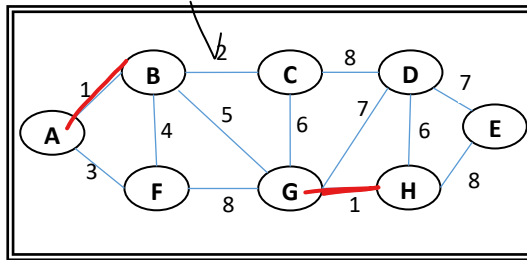
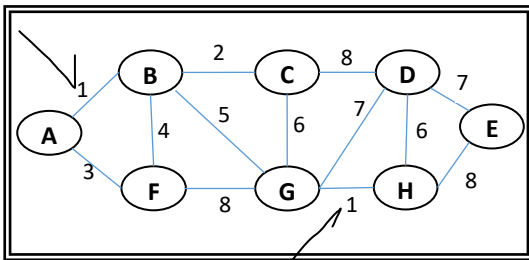
1. Kruskal MST algorithm
2. Prim MST algorithm

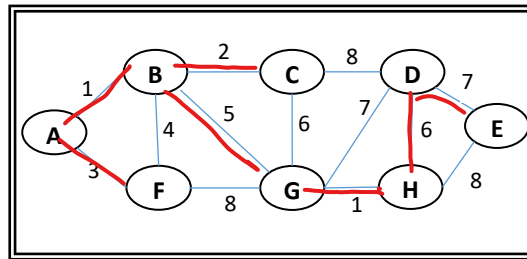
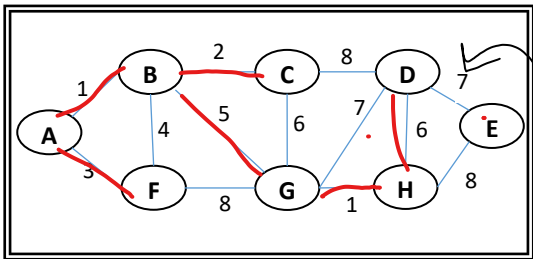
Rules:

1. Except for diagrams, charts or tables, answers MUST be provided in typed form.
2. For grading purposes, do NOT just submit the answers, instead copy each question, and put your answer under it. Unreadable and unclear answers will be graded with 0 points.
3. Submit your recitation on Canvas as a single PDF file.
4. For each recitation, you have 2 attempts to submit, but we will ONLY grade your last submission! It's your own responsibility to make sure that you submit the correct file! We will not accept any submissions through email.
5. Equipment defects and technological difficulties cannot become excuses for late submission. No late submissions will be accepted!

Question

1. [5pts] Show the execution of Kruskal's algorithm on the following graph step-by-step. Highlight/Shade the edge already being picked and use an arrow to point to the edge which you picked in each step. (**in alphabetical order).





2. [5pts] Show the execution of Prim's algorithm on the following graph step-by-step. Highlight/Shade the edge already being picked and use an arrow to point to the edge which you picked in each step. (**in alphabetical order). Assume A is the source vertex.

