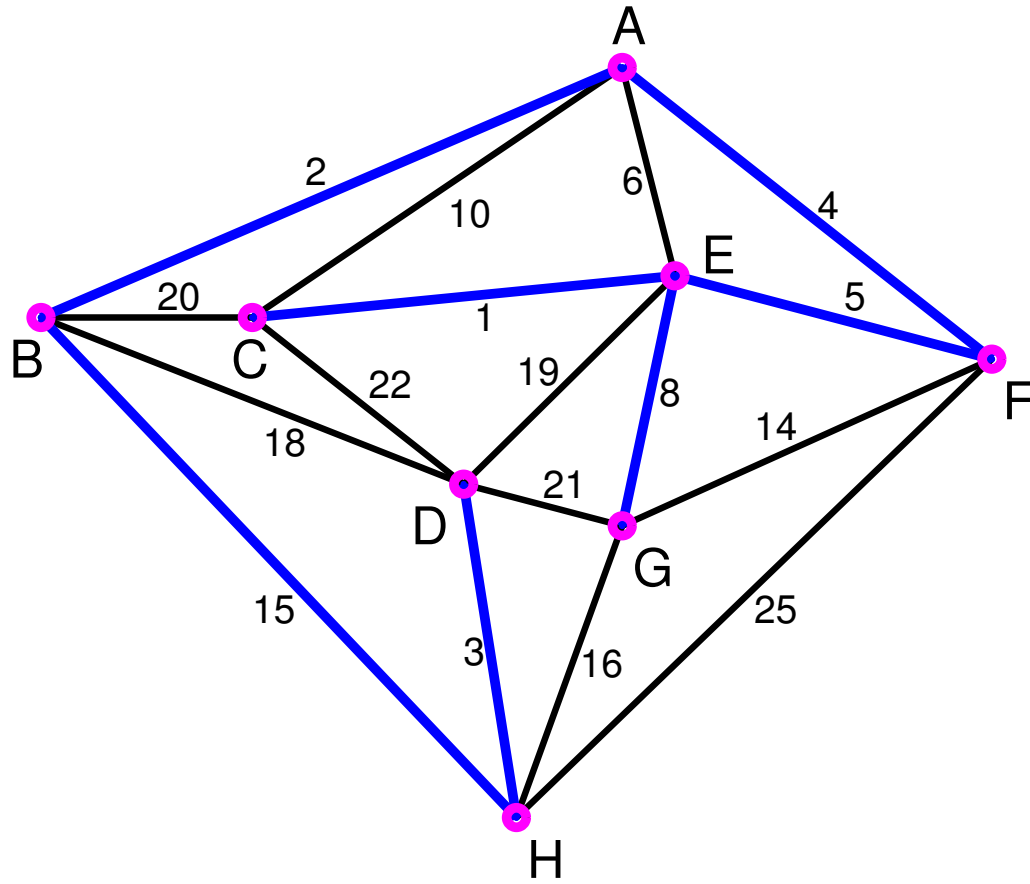


Quiz #23  
SOLUTIONS

1. { 10 points } Design a minimum spanning tree for the given graph. List the order in which the edges are chosen for both methods below.



(a) Use Prim algorithm.

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

(b) Use Kruskal's algorithm.

C-E (1), A-B (2), D-H (3), A-F (4), E-F (5), E-G (8), B-H (15)