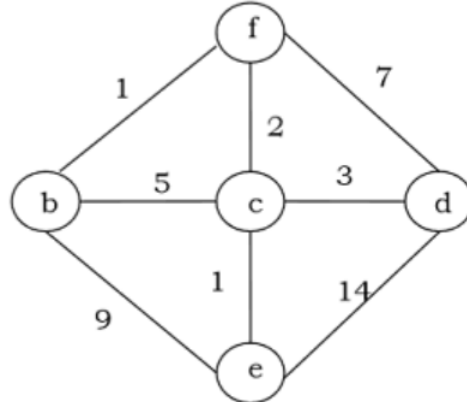


Show the **step-by-step** result of growth of the minimum spanning tree when the following algorithms are performed on the graph below.



a) Kruskal's algorithm

Only need to show one sol:

sol1: b-f -> b-f c-e -> b-f c-e f-c -> b-f c-e f-c c-d
 sol2: c-d -> c-e b-f -> c-e b-f f-c -> c-e b-f f-c c-d

Both solutions give same result, pls do this step by step in exam, otherwise, if the answer is wrong, there will be no partial points.

b) Prim's algorithm

sol1: b-f -> b-f f-c -> b-f f-c c-e -> b-f f-c c-e c-d
 sol2: c-e -> c-e f-c -> c-e f-c b-f -> c-e f-c b-f c-d