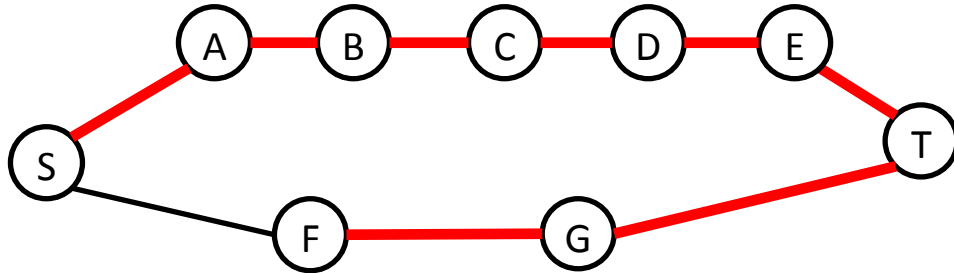
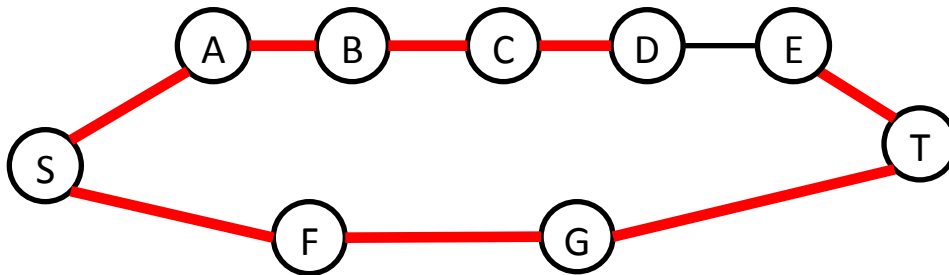


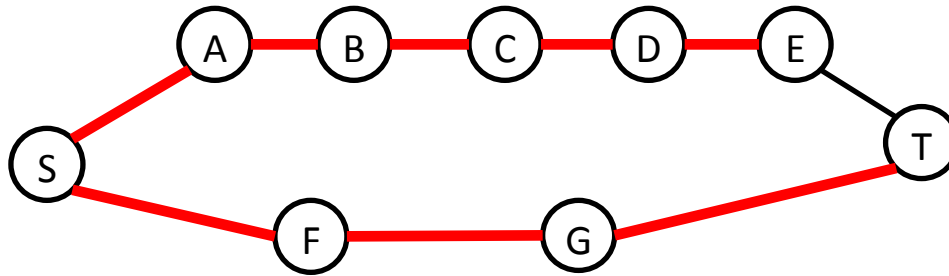
1) Consider the graph below. Find a spanning tree using a depth first search starting at vertex S.
 There are two possible answers depending on your vertex ordering.



2) Consider the graph below. Find a spanning tree using a breath first search starting at vertex S.



3) Consider the graph below. Find a spanning tree using a best first search starting at vertex S.
 There are two possible answers depending on your vertex ordering.



4) Consider the graph below. Find a spanning tree using Dijkstra's algorithm to find shortest paths, starting at vertex S.

