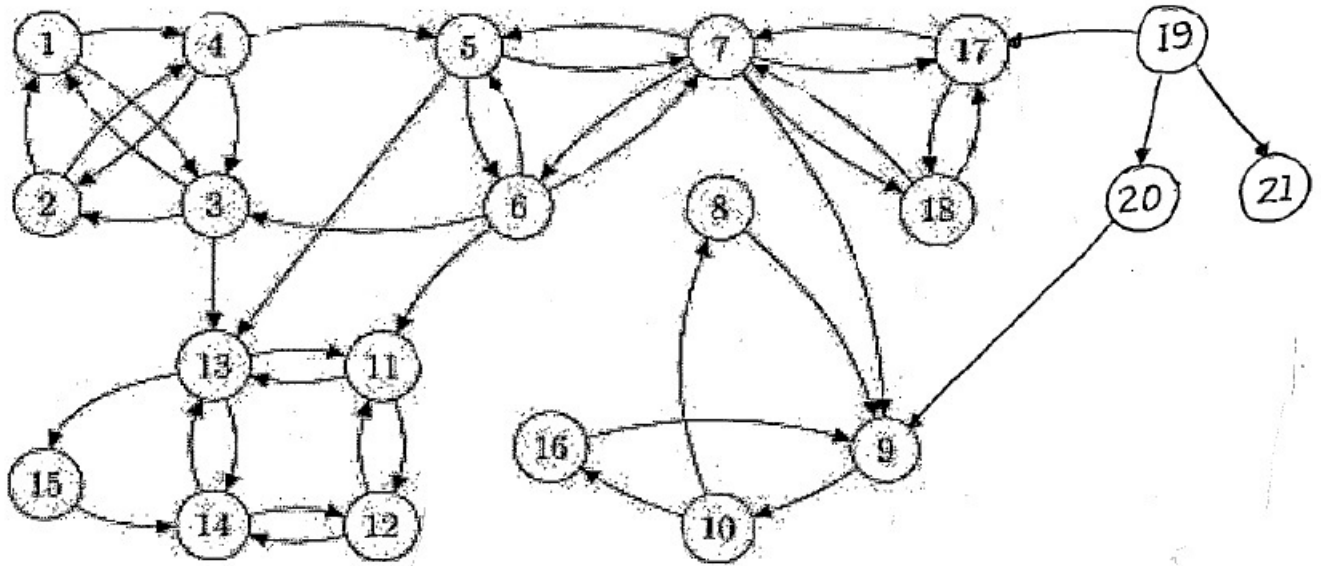


Practice - Depth-first, Breadth-first search

Consider the following graph. Assume the nodes are stored in numerical order.



1. Give the depth-first search ordering starting at one.

1 3 2 4 5 6 7 9 10 8 16 17 18 11 12 14 13 15 19 20 21

2. Give the breadth-first search ordering starting at one.

1 3 4 2 13 5 11 14 15 6 7 12 9 17 18 10 8 16 19 20 21

Depth-first spanning forest with only the tree (primary) edges.

