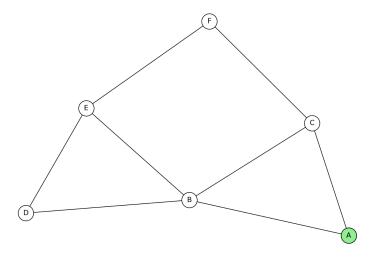
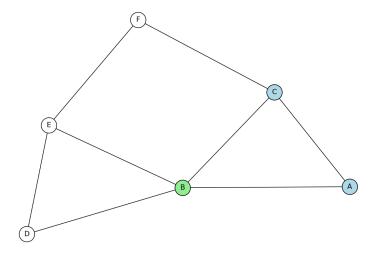


## Step by step diagram.

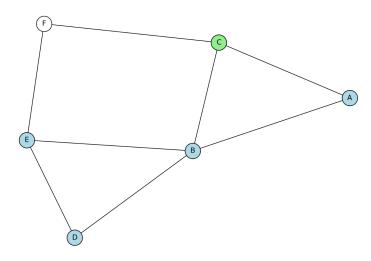
Step 0: Initial state before BFS traversal



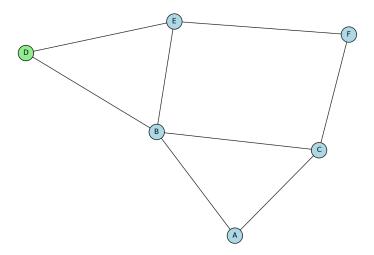
Step 1: Visiting B (front of the queue)



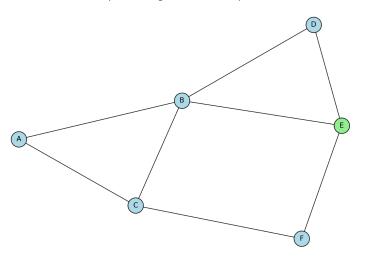
Step 2: Visiting C (front of the queue)



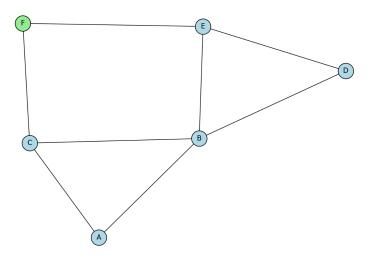
Step 3: Visiting D (front of the queue)



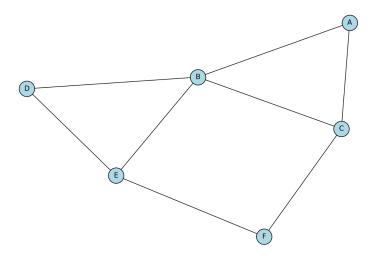
Step 4: Visiting E (front of the queue)



Step 5: Visiting F (front of the queue)



Step 6: Completed BFS traversal



The final tree is:

