Lab 19 sept 2022 notes

Order **clockwise from top left**: original tree bfs, original tree dfs, new tree dfs, new tree bfs

```
List of Neighbors:
[1, 2] [3, 4] [5, 6] [] [7] [] [] []

Beginning Search
Adding node 0 (start) to the fringe.
 Current Fring:  [0]
Added node 1 to the fringe.
 Current Fringe:  [1]
Added node 2 to the fringe.
 Current Fringe:  [1, 2]
Added node 3 to the fringe.
 Current Fringe:  [2, 3]
Added node 4 to the fringe.
 Current Fringe:  [2, 3, 4]
Added node 5 to the fringe.
 Current Fringe:  [3, 4, 5]
Added node 6 to the fringe.
 Current Fringe:  [3, 4, 5, 6]
Added node 7 to the fringe.
 Current Fringe:  [5, 6, 7]
Goal found!

Reverse path: 7  4  1  0
```

```
List of Neighbors:
[1, 2] [3, 4] [5, 6] [] [7] [] [] []

Beginning Search
Adding node 0 (start) to the fringe.
 Current Fring:  [0]
into fringe: 1
Added node 1 to the fringe.
 Current Fringe:  [1]
into fringe: 2
Added node 2 to the fringe.
 Current Fringe:  [1, 2]
into fringe: 5
Added node 5 to the fringe.
 Current Fringe:  [1, 5]
into fringe: 6
Added node 6 to the fringe.
 Current Fringe:  [1, 5, 6]
into fringe: 3
Added node 3 to the fringe.
 Current Fringe:  [3]
into fringe: 4
Added node 4 to the fringe.
 Current Fringe:  [3, 4]
into fringe: 7
Added node 7 to the fringe.
 Current Fringe:  [3, 7]
Goal found!

Reverse path: 7  4  1  0
```

```
List of Neighbors:
[1, 3] [2, 4] [7] [4, 6] [5] [7] [5] []

Beginning Search
Adding node 0 (start) to the fringe.
 Current Fring:  [0]
Added node 1 to the fringe.
 Current Fringe:  [1]
Added node 3 to the fringe.
 Current Fringe:  [1, 3]
Added node 2 to the fringe.
 Current Fringe:  [3, 2]
Added node 4 to the fringe.
 Current Fringe:  [3, 2, 4]
Added node 6 to the fringe.
 Current Fringe:  [2, 4, 6]
Added node 7 to the fringe.
 Current Fringe:  [4, 6, 7]
Added node 5 to the fringe.
 Current Fringe:  [6, 7, 5]
Goal found!

Reverse path: 7  2  1  0
```

```
List of Neighbors:
[1, 3] [2, 4] [7] [4, 6] [5] [7] [5] []

Beginning Search
Adding node 0 (start) to the fringe.
 Current Fring:  [0]
into fringe: 1
Added node 1 to the fringe.
 Current Fringe:  [1]
into fringe: 3
Added node 3 to the fringe.
 Current Fringe:  [1, 3]
into fringe: 4
Added node 4 to the fringe.
 Current Fringe:  [1, 4]
into fringe: 6
Added node 6 to the fringe.
 Current Fringe:  [1, 4, 6]
into fringe: 5
Added node 5 to the fringe.
 Current Fringe:  [1, 4, 5]
into fringe: 7
Added node 7 to the fringe.
 Current Fringe:  [1, 4, 7]
Goal found!

Reverse path: 7  5  6  3  0
```