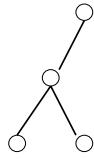


Edge Classification for DFS

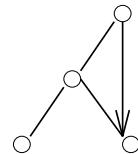
What about the other edges in the graph? Where can they go on a search?

Every edge is either:

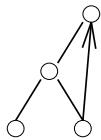
1. A Tree Edge



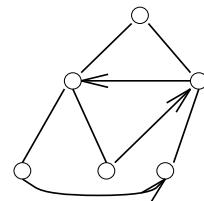
3. A Forward Edge
to a descendant



2. A Back Edge
to an ancestor



4. A Cross Edge
to a different node



On any particular DFS or BFS of a directed or undirected graph, each edge gets classified as one of the above.