

DFS

dfs(G):

**foreach** node v in G

        color(v) = white

        pred(v) = null

**foreach** node v in G

**if** color(v) == white

            dfsVisit(G, v, color, pred)

**return** pred

dfsVisit(G, u, color, pred):

    color(u) = grey

**foreach** neighbor v of u

**if** color(v) == white

            pred(v) = u

            dfsVisit(G, v, color, pred)

    color(u) = black



























































