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Algorithms, Depth First Search - Sunday, February 21, 2021

Consider the graph shown on the slides and give the order in which the vertices are visited. You must show all steps in the DFS (you may abbreviate function names).

FUNCTION DFS(G, start_vertex)

 found = {v: FALSE FOR v IN G.vertices}

 DFSRecursion(G, start_vertex, found)

RETURN found

FUNCTION DFSRecursion(G, v, found)

 found[v] = TRUE

FOR vOther **IN** G.edges[v]

IF found[vOther] == FALSE

 DFSRecursion(G, vOther, found)