## After labeling each vertex with its component number (HW13) Algorithm DFS(G) Input graph G Output the edges of G are labeled as discovery edges and back edges initResult(G) (setLabel(U, UNEXPLORED) (setLabel(U, UNEXPLORED) (postVertexInt(G, u) (setLabel(U, UNEXPLORED) (postVertexInt(G, u) (setLabel(U, UNEXPLORED) (postLabel(U, UNEXPLORED) (setLabel(U, UNEXPLORED) (set