Detect cycles in directed graph

Wednesday, May 28, 2025 5:04 PM undirected zar cycle 201 Oh the same path node has to be visited again (back ফরার 2रि array maintain वावय Then it will be a gde. V<u>is</u>3% Otherwise no. pathvis 2 U Defermine क्या ने path रेट नामाले जाल visit क्रेडिन की मर wish the and one and #include<bits/stdc++.h> bool dfs(int node,vector<vector<int>>&adj,vector<int>&vis,vector<int>&pathVis) vis[node] = 1;pathVis[node] = 1; for(auto nbr:adj[node]){ if(!vis[nbr]) if(dfs(nbr,adj,vis,pathVis))return true; else if(pathVis[nbr])return true; pathVis[node] = 0; } dfg sin complete six and pathvisit states 0 agr int detectCycleInDirectedGraph(int n, vector < pair < int, int >> & edges) { // Write your code here. vector<vector<int>>adj(n+1); for(auto pair: edges) int u = pair.first; int v = pair.second; adj[u].push_back(v); vector<int>vis(n+1,0); vector<int>pathVis(n+1,0); for(int i = 1;i<=n;i++) { if(!vis[i])

if(dfs(i,adj,vis,pathVis))return 1;

return 0;