Lab - 3 Topologeral Sort 23/5/24 Source Removal Method. Hinclude (stdio, h) # define v 100 int top= -1; void indegree (int a matrix (V) (V) jint n, Int in(v) for lint i=0; i < n 1 + 1 = 1 for (int 9=0; jcn; j++) & Ef (a materix (176) 3) { 22.4 ins ]++; read toposont cint a materix[VI[V], int n) int in[v]=909; int topo [v] 2nt K=0; int 3cv ]=903; indega el la materia, n, in); for (int i=0; i<n; i++) if (in[i] = = 0 ){ 20p++; SCtop3=i; nohèle (top = -1) ant ventex=s[top] topo[k++] = quatex;

for (int i=0; i< n; i++) EG (K/EN) 2 paintfill(yell exists'1); } point (" the topologica for cint i = D; i < n; i 2 printf("/.d", topo[1]+1), int main () ant a matrix [V][V]; scanf (" /. d", & n); beatices print (" enter the adjacency m for lint i= 0; i< n' i+ t) (1) 2 for lint j= 0; j< n', j++) 3 scanf (" 7.0", 2a materix [1][]]])

toposont (a matrix, n); actuano; autpurt enter no of recotices 5 enter the adjaceny materix. 00.001 the topological sort: 2 1345

DATE: 1 1
PAGE NO: Usha Gold DES TO ME TO THE MAIL # include < stdio. h> #define v 100 reoid des lint a matrix [v] [v], int n, int start, int ass[] reisited [start]=1;

for lint i=0; i< n; i++)

if (a materix [start] [i]==182 pisited[i]=3

afs(a materix, n, reisited, i, 900);

2 ges[j++]=stant) resid toposort(int a mateix, int n) Ent gelsited [V] = 90%; int ges[V] for (int ?=0, i < n; i++) if [wisited [i]==0)

Els(a materix, n, visited, i, rus);

Else a materix, n, visited, i, rus); perint (" the topological sort: ")

for (int i= n-1; i> int main () int a mateix [V][V] int n; paint ("enter the no of recortices!"). print 1" entra the adjacency matrix in for (int j=0; j<n,j++) scant ("/sd", La matrix [e][]] toposort (a mateix, n) seturno; enter the no of vertices; of enter the adjaneous matrix the topological sort: 2316