DF3 - Topological order : - LAB-4) +23/5/24: tuperd # include < etalio . h> # include < shallib. h> Adeline MAX VERTICES LOO (3) cor brashing int s[MAX_VERTICES] = {04; 5 100 5 int ones [MAX_VERTICES]; 10 mudare void DFS (int u, int n, int a [MAX_VERTICES][MAX_VERTICES] 1 30000 8 [u]z1; for (int v =0 ; v<n; v++)? (5) (10) ist wo [(a[a][v] == 1 &d s[v] == 0) DP8 (vin, a); res [j'+j=u; IN main () & pant ("Enter me number of werkcer!"); sconf ("rod" dn); int a [MAX_VERTICES] [MAX_PERTICES]; some print ("Enler me odjocency motivity); for (intizo; ien jits)? for (int jeo; jen; j++) & 8 conf ("1d", le [i][j]); for (int u=0; u<n; u++) }] 160 tr) 2000 interiores (80); (s[u] = =0) \$ DFS (u,n,a);

print ("Topological order: "); re la galajo for (in + i-j-1; i>=0; i--){ < 1 3/3/20 provil("Id", res[i]); printle ("In"); newin 0; DES CINT U. int a [MINX VERTICES] PLAX VORTO bullet: Enter me odjoceny nom ?: (O) 0100 .00100 3)->4 .0001 nes [jit] 0000 0 0 0 0 0 Topological ordor: (0234) Source removed method - Topological ord sort: Hinclude < etdio. h > rendon porsocios en alis 1 18 mag Hinclude 2 stollib. h > (++ Lins) (00) grations is situation int 3+ [100]; ((())(1) 0) (6)())(100) int top = -1; void degree (int adj [][20], intn) } int indegree [20]; int sum =0; for Cint j=0; J<n; j++) ? (N) 200 sum =0 ;

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for cint j= 0; Ten; itt) Too all one ) thong
            gum = gum + ody [i][s]; ( ) ( )
                     (11/1/18/1/08 | tai) roj
      indegree [j] + som jobob short) 1000 8
   for (int i=o; i<n; i++) {
        if (indegree [i] = p) Elore Longo offi ) thing
             top ++ ;
             8+[top]=i;
                                    seturn 0;
   while (top!=1) }
       int uzst (top];
                         Enler the humber of nodes: 7
      print (" ", d", u);
      for Cint v=0; v&n; v+1) $ on prosoips all solas
          if(ed; [u][v]==1) { 0 000110
             indegree [v] --;
           if (indegree [v] = =0) ? 0 000
                              1100111
                  top + +;
                  8+[top]=v; 000000
                              00000000
               Topological order of noder: 3021654
int main() $
  printly ("Enter the number of nodes: ");
   sconb("1.d;dn);
   int ody:[20][20];
```

print("Enter the odjocence matrix in"); for (int ico; ien]; itt) Emis for (int j=0 jjen jj++) { sconf ("xd", dod; [.](5));] ? ? ? !! print[("Topological order of noder 2")) degree (odj,n); geturn 0; Output. Enter the number of nodes: 7 Enter the adjacency matrix? 000001016 1110011 0000000 0000000 0000110 Topological order of nodes: 3021654 maint) & ("Enter the number of nodes."). (08, 9 ho) 1 40); . 105][05]. Apo