NAME: - Mithil Ray USN: IBM 19 (5086. ADA: Lab test I (Batch 3) i moregonay it write a program to do the following. more aldonosor about the trived (a) a given starting node in a digraph. using BFS method. # include (stdio.h) void bfs cints; intatios[io]; vistiosinj void main () & int 1/1/5/+; pointf(" enter the number of vertices \"). Scarp ("1.d! dn) for x inches the adjacent materix ") for the 3(++i; ncij; 1-ig) roof for(j-1; j (=n; j+1) {. Scarf ("Y-d', & alillij); ("+): show sorones wit redus") Itwined Scanf("1-d" il sve); esiteor plumant algorine capon ") I trined is ", src);

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bfs (svc);
         getch ();
  { (u bri) 274 biou
(ti, M; 0=1,0-7, [01],p twi
        I-[U] Ziv
            q/[v]-v;
 while Cfc=rss
                         M=q/[f];
            (u, "+/b. v.") Atrived
 for Ci-I; ic=n; i++) {
if (a[u] ci) == 208 wis[i] == 0] ?.
               Je vistij=1
    Y= Y+ 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 
           QEVJ=1;
                       キーキャッ
                       check wheather a given graph is.
             connected on not using DFS.
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check wheather a given go connected on not using to the include a station has the include a conion has intacted a conion has intacted on not using to the include a station has intacted on not using to the include a station has intacted on not using to the include a station has intacted on not using to the include a station has intacted on not using to the include a station has intacted on include a station has used of scient who is intacted of scient who is intacted on include a station has a station has

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 (Lizzivi && [vistis])
 dfs (i);
 Void main ()
 inti, j, count=0;
cositres to resturn and restus n/ ) & trived
scanf ("1 d'; dn);
 for (i=1; ic=N; i++)
 vis Cid=07
 for (j=1; jc=n; j++)
 a Cij[i] = 0/
the surprise at the menter adjucent.
  il'ul xivetom
 for (i=i,ic=N;i++)
 foor (j=1; jc=n; j++)
 Scamp ("r.d; La [i][j])
 & dfs (I)
 ("In") Atrived
 for (i'=i; i c=n; i++)
if (vis Ci)
  ( ++ true)
(n== times) $;
(I'm betsemmes si adarep ut n') ftrived
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else ("w/b=forma) ton is appet atmi) through gutch (sj for graph dis connected. 11000 000000 000000 000099 0000000