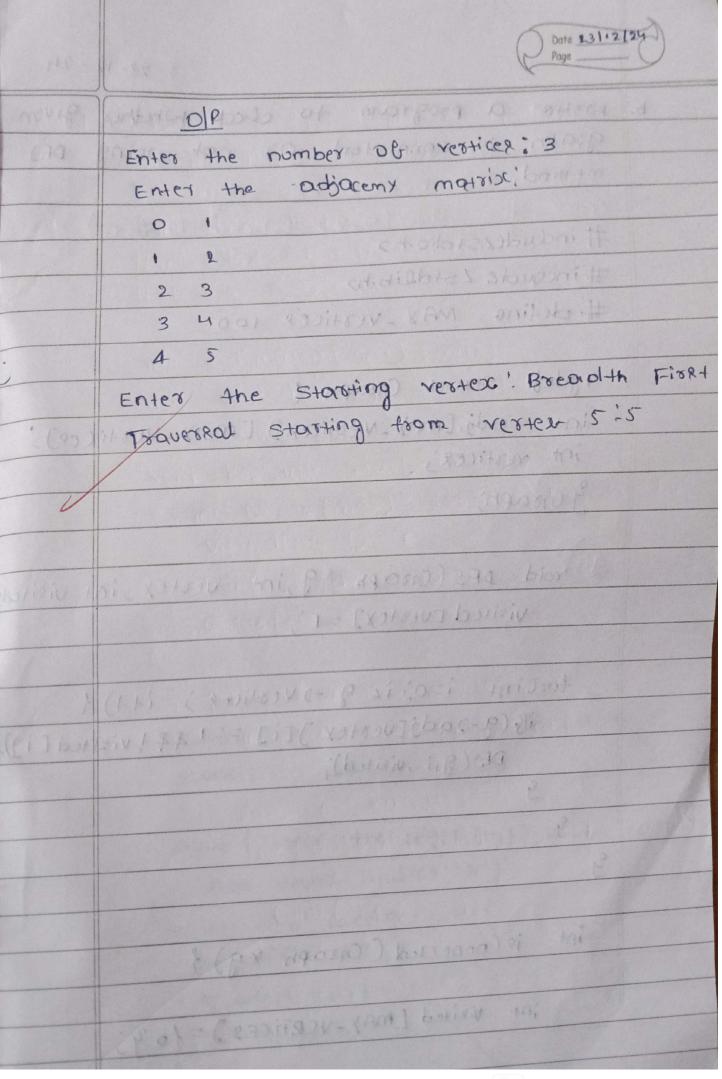
( ) sup 26 19 93 a votte a program to transfer a gray using b BFs method, Hindude 15+dio. ha # include & state in ha # define MAX 10 int adjonatily conard conardiality int visited emays! was a second to the state to go to real of void bes (int short, int n) & { int Queue Cmax3 front = 1 , reas=-1, i') visited[start] = i', Printl ("Y.d", stast) Queue [++0ea7] = statt o forward bride (front !=rear) 1 int node = Queue (++ front); RAPOR (SEE PROPER DESIGNATION AND A ROLL OF forcient kn sint if (adj Modrix [Node) [i] == 188 ! vixited g beint (1, 4, 1, 1) this short short short vigited Cizes 1's only 12 bell Queuc C++seas J=i' 12

int main() + mapped as some Limber or a in ini, start; entother sakurante Print("Enter the number of vertices). scant ("Y.d", 2n) ( xAM smile) Point (" enter the adjocency matria) too (i=o; izn; i++) ( in the tox(j=0 ; jkn; j++) { scant ("Y.d", Ladinatrix (i)(i)). CONTRACTOR SHOP for (i=0) i2n's (i++) { 11 30000 virited(0)=0; ) (inored mor) seines Challes the survey of the this Print ("Enter the Storoting vertex:"); Scan & "Y. d" & fstart) Sile ( adj Motrix [ mode) 8:3 ==14x Prints ("Breadth First Traversal Starting to Newtest 1.4: " Start) bas (start) n); believe scrosn o;



b.	Write a program to check whether graph is connected or not using an method.
/	graph is connected or not wither
1-	method, when we have the method wing method
×	
1	#includezstolio.h>
1	#include Lstalib.hs
-	# define MAX-vertices 100
1 62007	
	tydet struct Coraph ?
1	int restices? Chestices J [WYX-nestices]
1	in restices?
1	g Chraph;
1	
1	roid DFS (Chrouph *9, int vertex int visite  Visited Evertex7 = 1.
	vigited Evertex] =1;
	fox:
1	torcint i=osic 9 -> verticers i++) {
-1	DFS(gi; , vigited);
	3
7	3
-	9
	int is Connected (Crooph *9) {
	int visited [MAX-VERTICES] = {09;
	= 11-46KITCE? ]= {0 d.
	OFS (9,0, virited);
	for (int i=0; i/ g=) reptice & ', i++) {
	if Clusted cis) 1
	return o'
	3

serven alin de sagment all silves to or angular (v v) rapper aft sylves int mainers Chragh 9; int edges u,v; points ("Enter the number of vertices:"). scout ( " di , & d' nesticco). forcint : = 0; 12 g.vertices; 1+1) 11 toolint i= 0 ; je g-vestice & sitt) { g. adj [i][j]=0; Print ("Enter the number Of edges:")" scent ( ">d", 2 cqd(8); points ("Enter the edges (u, v) where u & " are vertex indice " ! h")" fortint i so', iced ger', i+) { scont ("Yolyd", 20, 20)" g.adj(u)(v)=1 9. adj [v] [v]=i : R ( : x connected ( 29)) { points ("The grouph is connected in") clect print ("The gooth is not connected." In') a reven o

Beautin MA , W DEE BURNERS in mainch Chrogh 9) int edger, u, v', points (" Enter the number of vertices.") scomp ("y,d", 29, vertices)" forcint ico; iz givertices; its) toolint je o ; je govertice , joban ? g. ad; [i][i]=0; Print+ ("Enter the number of edges:")" scent ("%d", 2 codges)" points ("Enter the edges (u, v) where u & " are vertex indice " ! h")" for int i so' iced geri its scomt ("holyd", qu, qu); g. adj cu ] (v) = 1 9. adj [v] [v]=i : (ixconnected (29)) { points ("The grouph is connected in"); circi Print ("The gooth is not connected." In') return o'

23-12-24 owput enter the number of vertices: Enter the number of edges:4 Enter the edges (U, V) where U and V 1 Dalpm Mi vertesc indices' 13 304 10 Hole out 8 3400 1 ) 3+0469 The gooph is connected to agoith of it as the fort