22/2/24 week 9 BFS #include (Stdio.h) #define MAX_VERTICES 10 int n, i, j, visited [MAX_VERTICES], queue [MAX_VERTICES] Front = 0 , 90a1 = 0; int adj[MAX_VERTICES][MAX_VERTICES]; (v tri) syd bian vinited[v] = 1; queue [quas ++]=V; while (front < seas) int current = queux [kont ++]; Pointf (" 1. d/t", current); for (int i=0; 'Kn; i++) y (adj Courset JCi] & L! Wisited [i]) & whited[i]= 1; queue [3003 + +]= i; int main() int v;
point f("Enty the number of restices: ");
bean f("'/d", & n); for (i=0, i<n; i++) whited[i]=0; printet ("Enter graph data in mateix John: In");

for (i=0; icn; itt) for (j=0; j<n; j++) Scanf("1.d", kadj(i](j]); pointf ("Enter the starting wester: "); scanf (" 1.d", &v); bfs(v); for (i= o; kn; i++) ig (!visited [:]) printf(" In BFS is not possible, Not all nodes ore reachable. \n"); return 0; gretarn 0; 0 /8 Enter the number of restices: 7 Enter graph data in moderix form: 0 101000 011011 0 101 1 0 01 10 01 0110000 14,2,3,6,1,5,0 0100100 Enter the Starting Winted 4, 2, 3, 6 4>2,3,6 2-> 1, 3, 4,5, 6 1->0,3,3,5,6

9 1	1 6	9 1	0	0	0
1 (9 1	1 1	0	1	1
9 1	1 (9 1	1	1	0
1	1 1	1 0	1	0	0
9 (9 1	1 1	0	0	1
a :	1 1	1 0	0	0	0
9 1	1 6	9 0	1	0	0

Enter the number of vertices: 7 Enter graph data in matrix form:

Enter the starting vertex: 4

Press any key to continue.

Process returned 0 (0x0) execution time : 194.033 s

#include (stdio.h) # include (Stdbool, h) # define MAX_VERTICES 10 int n, i, j, whited[max_VERTICES]; int adj[max_VERTICES][MAx_VERTICES]; word dys(int v) visited[v]=1; for (int i=0; i<n; i+t) ig (odj[v][i] & ! winted[i]) dys(i); int main () int v; pointf ("Enter the nut onber of vertices: "); Kanf (r.d , Ln); fos(1=0', 1<n; 1++). wisited [1] = 0; point ("Enter graph data in matrix folon: In"); fol(i=0; i<n; i++) fol(1=0; j<n; j+t) scart (" 1.d", sadj (i][j];

pointf ("Enter the starting wester:"); Scanf (" 1.d", & V); dys(v); fos (i=0; i<n; i++) } [(Indistrd[i]) printf("In The graph is not connected. In"); printf(" In The graph in connected. In"); netwern 0; 0/P: Enter the number of restices: 4 Enter the graph data in maker form: 1001 1000 Enter the worker starting vertex: 0 The graffe is come ited.

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C:\Users\BMSCE\OneDrive\De X
Enter the number of vertices: 4
Enter graph data in matrix form:
 1 1 0
 0 0 1
 0 0 0
 1 0 0
Enter the starting vertex: 0
The graph is connected.
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Jak Ti lectione 4 > linen the had of a linked list, notate the list to the right by K places. Rotate List struct Lit Node * grotate Right (struct ListNode * head, int x) y (head := NULL | head > next == NULL | K == 0) secture head; int length = 1; int length = 1; skud ListNode * tail = head; While (fail-> next != NULL) longth ++; fail = tail -> next; K = K // length; if (K == 0) return head; struct ListNode * new_tail = head; for (int i=0; iclength -K-I; i+1) new tail = new tai (> next; skut Lithode = new head = new tail = next; new toil => next = NULL; fail > next = head; gieturn new-head;

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O[P:-

Cax I

Lead = [1, 2,3,4,5]

K = 2

Case 2:

Lead = [0,1,2]

K=4
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