23 Diskestoa's Algorithm. Hinclude < stdio- 47 # include < compo. h> # define infinity 9999 It define MAX to. Void dijkstoa (int G. [MAX] [MAX], int a, int Startunde); int main () int G. [MAX][MAX], E, j, n, u; Print ("Enter no of Vertices"); Scarf (4-1-24, den); Point (" In Enter the adjacency Matrix: In"); for (200, 2 Ln, E++); for (j=0; j<n; j+f Scauf ("I'd", db [i][j]) Point (" Enter the starting node: "); Scarf ("7. d", bu); dijkstra (or, n, w) detuble 0; void dispestora (int GIEMAX) [MAX] just n, int Startuode Int ast [MAX] [MAX], distance [MAX] int visites [max], count, mindistance next node, ?, i,

Post(i=0, izn, it+) for (j=0;jen;j++ 11 (GEIJEJ = 20) ast [I][] = INFINITY. der Cost Cil [j] = G [i] [j] Por (10; 12n; 1++) distance [i] = cost [etarthode][i] pred [i] = Startunde visited[i] =0; distance [:3: 60st [stort node] [i]; pred [i] = Startunde Visited [i]:0; distance [Startnode] =0; visited [starthade] = 1, Count :1 while (want < n-1) for liso; icn jitt) il (il i Startuade Printfla In Distance of node 7. d = 7. d 4 i listance [i]); Privil (Tu Path = -1-d, ?). j=Pted [j];
Prints (4 2-1-d "j);
3 while (j!=Storthode);

Enter no of vontices. - 6 25 35 0 100 0 a 0 0 6 27 14 0 6 C O O O 29 O O d 0 0 0 0 0 21 0 0 50 0 0 0 60060480 Enter the Starting Node. - 0. Dist of model = 25 Puth = K-0 Dist of node 2 = 35 Puth = 2 4-0 Dist of node 3 = 39 Puth = 32-14-0 Dist of node 4 2, 100. Path 2 4 = - 0 Dist of nades =60. Puth =56-12-16-0.

123 N-Queen Algorithm Hinchde < statio. 47 Hinchede < math-47 int soas & [20] count; int main () int 1, 2, 1; voil green Contoow, int u). Printy ("- N Queen Problem Using Back fracking-) Print / (" In In Enter no of Queen:") Scanf (" (d", Un); green (1, u); setusu o; void Paint (ind n). Point (" In In Solution I di In In", Hount) for (i: 1; i<= 4; ++ +)

Points (" 1+-1-2; i); for (i=1; ich; ++i) Paint (tu/n/1.2", ?); for (j=1)j<=h; 7+j) if (board [:7=j)

Print ("1ta");

Brid ("1t-");

int place Cint xow int column int ii for (i=1; i == 800 - 1; ++i) if (board [i] = column else if (abs (60ard [i] - column) == abs (i-800) Seturn 0; return 1 Void green (int 800 inta) Int Column if (Place (row, Column Board [row] = Column if (800 == n) Print (n) else queen (sow+1 n);

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