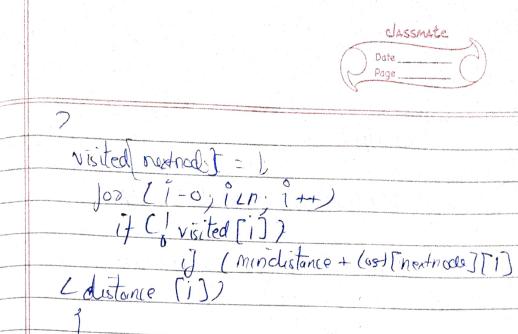


void dy lastra (int G[MAX][MAX] int startnock) int Cost [max] [max] distance [in pred(MAX) int visited CMAX) lourt, mindeston nextnode, i, j; Jor (= 0; 1(n; 1++) Jor 1 = 0; 1 2 1 1 1 1 1 1 1 it CGFING J= INFLANTY, /ost[1][]=G[i][] for (1=0; 22n; 1++) distance [] = (US+ [storfpool]] pred[i] = startnoclo; visited [1]= 0) distance [start nodo] = 0 visited [Stortnow Je], count = 1 while (lourt 2n-1) mindistance = INFINITY if (distance [i] 2 mind istoncoss vistor Mindistance = distance [1] next node = 1-



distance [i]=mirdistance+ lost [next node][i]; Pred[i]=next nucle;

for (1=0: 12 n; 1+1)

if (1 = startnode)

Print (" | Distance of node of od = fod", i)
distance [i]);

printf ("(npath = 4 od", 1°))

[= pred[]];

(Printf("<- 9 od"))

3 while (J) = Storlande);

output: Entre no et reulières: 4 Enter the adjacency matrix. 001 1110) Enter the starting node-1 Distance Of node 0 = 2 Path = 0 < 2 <) Distance of noce d=) Distance of nocle 3=1