papergrid Date: / / Name: K. Avashya USN: IBMI+CS034 # include xiostream using namespace etd.

int a [30][30], source, d[30], p[30]

void alg (int a [][30], intn) int s[n];

for Cint i-0; i < n; i+t) d [i] = a [source][i]; p[i]- source;

s[i]=0; for cint c=0; cin; (++) int nin = 999; Com for Cint j=0; j<n; j+t)

if (dCj J<nin ll stj] [-1)

nun -dCj J for (int 1-0; icn; i++) if Cnin - a [u][i]cdli]} dtit-nien +atuttet

papergrid Date: int main () int in ; Carrie Carret cout ce Enter no of vertices for (int i=0; i\cn; i++)

for (j=0; j\cn; j++)

in Yxa[i][j]; Cout << " Enter source vested"; cout so The shortest path is "; alg (a, n) for ( int i=0; ien; i++) while (k! = source) ? sout 12 d Ti Jecends.