Afm: Implement Dijkstras algorithm to compule the Thortest path for a given topology # melule & fostream > # ?nelike < stdio. h > using namespace std; # define V4 Int win Distance (Int sist [], bool sptort (]) of Int win = TNT\_MAX, win indees; for Cont v=0; v < V ; v++) g [ ptset CV] = folse = 4 det [V] comen) min = dist (V), min Indea = V) return min Indon; vold packition ( Ret gaph ( I); at src) for dist(V); bool spt Set (V); for Chut =0; 12 ( ) 9++) dist(?] = INT MAX, ept set(i) = talse; dist [Sre] = 0;

for ( Ent count = 0; count < V-1; count ++) Ent u = mendistance Chit, sptset); sptetEu] = true ; for ( But v=0; V = V; V++) of (! sptSet (v) Tes graph (u) Cv) & 4 did Cv) 1 = IN I MAX + & Birt EU] + quelle La Birt Evy &st[v] = dictCu]+ graph [w][v]; printfolition (dist); The mainted of quint Solution Cint dist [] - packet. cont << " Verten It It Distance from source in "} for Cant & = 0 ; (EV ; 194+) Court Kec Strutt cont ce i < L" \* 1 + 1 + C L &ist [i]

d int grapher JOVS cont 11 " Enley the graph" 11 cult ; pr cont 9=0 ; 82 4 ; 844 ) A for Cont 3=0, 32 v; 3++) Ch >> graph (1) (1) 877-dn (gaph ,0); return o ; Ender the graph Distance from Source