11/7/24 control ("Ento Dirkstras #include <stdio n> # define INF 9999 # define N b void diskera lint cost [N] [N], int sacis int distEN] int vis [N]; int count, min dict, ui for lint 2=0; EXN, i++)? dist [sac]=0,000 00 00 00 for (count = 0; count N-1; count ++ } men dist = INF; for (int v=0; V< N; V++) { if Unistville dist [v] <= men dists min dist - dist [v] 23 (1=1) vistu]=1; for (int v=0; V<N; V++)}
if (Ivis [v] & & vost [u][v] & & distrib INI El dist [u] +cot [u] [v] <distrit distrit = distrit +costrituity 38 ?

PAGENO: Usha Gold print (11 Veartex It It & istorne from Sarroln") for (int i=0; i<N; i++) 5 printfl' %dit it /din'), in distle] int maln () 5 int cot[N][N]=5 \$ 0,15,10, INF, 45, INF 4. 9 INF, 0, 15, INF, 80, NF3, 980, INF, D, 20, INF, NF4, 9 INF, 10, 1NF, 0, 35, INF3, 9 INF, INF, INF, 30, 0, INFZ, 3 INF, INF, INF, 4, INF, 03 2nt 80=5; dij Ksta (wst, sac) Retroin 0; Interest Ventex Ristance from 21 34 Graph-

Kauskals #include Stollo. hs Stalleb h? #include (stelbools h), # define int parent [V]; Multan this int find (Int i) refile (pagent [e] = 2)

Return i) groid union (int i, int j) int a=find(i); int b=find(j); garrent[a]=b; void KnockalMST lint coext[7[V]) int min cost = 0; for lint 2=0; i<V; i+1)

parent [i]=i' int edge court = 0; vohile c'edge count < v - 1) 3

DATE: 1 1 PAGE NO: Usha Gold int min = 1NI_MAX, a=-1, b=-1, for (int i=0; i < V; i++)? for (int j=0, j<v; j++) 2 of (find(i)) = find(j) ll cost[i][y](min): min = costiller; 227 union (a, b) paint (" Edge %. de (% d; 1. d) vot: 1. d In' edge count + + , a, b, min) printf ("In Minimum cost= "bd In", minare) int main () int cost[][V]=5 & INT MAX, &, INT MAX, b, INT, MAXY, £2, INTMAX, 3, 8, 53, PINTMAX, 3, INTMAX, INTMAX, 7 & 26,8, INTMAX, INTMAX, 98, 2INTMAX, 5,7,9, INTMAX) Konchalm ST (cott), sethern o,

Edge 0: (0,1) cost: 2 Edge 1: (1,2) cost: 3 Edge 2: (1,4) cost: 5 Edge 3: (0,3) cost: 6 9 10 printf ("In Minimum con 2011") XAM FULL 8, XAM TUL 3 THE KAMEN SA XAMTURE, XAMTHE AM TON XAM TUN A & & P. F. T., XADITUIS KAMEROLY (CT (1984) O MIGHT