

pages) Westive meist in an application.

(2,7) edge = r(2,7) rate of (2,7)

19° 6  $= \omega(C_{X}) = -\ln(P(C_{X}))$   $= -\ln(W(S_{D})) = -\ln(L_{L}G) =$ (2,y) of height ex) L(S,D)

If rca, y)> 1, then La, y) 40,

weight cycles from Consideration I POSE 7) Nephtive

crae then we can trud Cant And alsorthm NESCHIVE CODES then WE efficient Shortest parth - Their 75 no Afficial And Problem Computationally diafficult) there is No Wesafive cycle it Hore is a path Stortest dn! \$

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Path, A Carsideation 2. 7 4 5 Multiple shortest path than Shortest find one passe of the there are TOPE 400

pat: Soutest total tree ty0 Representation of

need vory small nemaly of nate so it is very exticient Egarchertelan, we need very stake Direct of nade so Stare FIND. Advantage Afficient 2

a pot t iove have to be computed to to trace the party = computation Disadvantase

we different Have to E E Sharfest -) if there over nove then represent Sive Me F. F. HID (7)

distance is not olludys D cycle hesotive, cycle, but 7A LEGIVSE LOS COPI OF It is afficient to represent because it any meds there is no negative 79 Opporten 0 Paths from SAMIO which are not induded in this the 2) parent [V] . the current predecessor of node V, Initialization + Relovation Space requirement is only linear. N is cumber of nodes Stop Retarked ( ) Sets the the color (L, V) } frebx respectively of devi > devi + weight = is A Technique not a Alsorithm. number of nodes Shortest If about to the you have to DARENT EVS - NIL for each node UE (U) - 257 do drszeo; parentos 6 NIL O Cr2) path estimate. 1036 10), there Mar be other 2 alrays MeToht थ्रुबर 40 · worse CAR Reloyation technique. legazation technique = 1 InItiquization (E,s) Shorter (DCn) (Mear · We store i) dev] の祖か THICS

····· ) lower and lower > shoretat pith 15thman The PARENT parters shows for a tree and at the ond of the Lette 7 relax opention > Ans shated put estimates ther or equal to the weight of some path (u,u) € € , dEu) + (u,u) • (u,u) FUR of increase. Alludys derease 1 F eventusing no effective relax opportion passible 224 43 Openton. Means it will computation but 7t doesn't exprontee My be only 品 当场 shortest - paths tree d (2,2) > 5(5,2) #68 2048 Shortest Path der there 731SE effective operations toon creles relooffin technique relax obsortion of there is no nesative cycle Shortest path estimate never estinate da Sixty extertive relax If we was relaying technique. No Negative (v,2) & < tree will be न ज्ञार केल भेषा. dem a V, dry - JCS, V) PIGODOIS 孝 , 26V to V. No Cold PAPENT PAINTS E devo Path will be first 8 beginning effective 54° 12 from S dereve Conputation Po Paties frid the storter? Finited. Chen 456 relax operators 班子公司. Base 14)

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