Jashraj Deepak Dewrat ind the shortest path between $CC) = W(a_1C) = 2$ b) = W(a,b)=5 = W(a,d) = 00 (e) = W (a,e) = 00 = W(a,7) = 00 = W(a,9)=00 $(z) = W(a,z) = \infty$ l(c) has lowest inden. $pe = 2a, c^2$ $-t^1 = 2b, d, e, f, g, z^2$ l(b) = l'(b), l(d) = l(d), l(e) = l(e), l(e) l(f) = l'(f), l(g) = l'(g), l(z) = l'(z) $l'(b) = min \Gamma l(b), l(c) + W(c,b) = min \Gamma 5, (2+2) = 4$ $l'(d) = min \Gamma l(d), l(c) + W(c,d) = min \Gamma \infty, (2+5) = 7$ $l'(e) = min \Gamma l(e), l(c) + W(c,e) = min \Gamma \infty, (2+6) = 8$ $l'(f) = min(l(f), l(c) + W(c, f)] = min(\infty, (2+\infty)) = \infty$ $l'(2) = min(l(z), l(c)+w(z, c)) = min(\infty, 2+\infty) = \infty$

l'(d) = min [(Cd), (Cb) + W(Bid)] = min [00, 4+2 1'(e) = min[l(e), l(b)+ W(B,e)]=min[00, 4+00]=00 l'(f)=min[l(f):l(b)+W(b,f)]=min [00, 400]=0 l'(g)=min[l(g),l(b)+W(b,g)]=min[00,4+00]=0. iteration 3 l'(e) = min [l(e), l(d)+W(d,e)]= min [00,6+1 $l'(f) = \min \left[l(f), l(d) + m(d, f) \right] = \min \left[\infty, 6+6 \right]$ (g)=min[l(g), l(d)+w(d, g)=min[00, 6+00) = min [l(x); l(d)+ w(d, z)] = min [00, 8+0

 $L(z) = \min[L(z), L(e) + w(e,z)] = \min[\infty, 7+$ l'(f)=l(f), l'(z)=l(z). l'(+)=min[l(+);l(g)+w(g,+)]=min-[0,9+2] lowest inden

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