ASSIGNMENT: 03

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- (1) $\rho = \phi$. $T = \{0, 1, 2, 3, 4, 5, 6, 7, 8\}$ path: $1 \rightarrow 4$.
- D P = 9 03 T = 9 1, 2, 3, 4, 5, 6, 7, 85
 - L(1) = 0. L(1) = minimum (0.0 + 4) = 4L(7) = minimum (0.0 + 8) = 8
 - $L(4) = L(2) = L(3) = L(5) = L(6) = L(8) = \infty$.
- $P = \{0,1\}$ $T = \{2,3,4,5,6,7,8\}$
 - = 1(1) = 4.
 - = L(7) = minimum $(\infty, 4+11)$ = 15 L(2) = minimum $(\infty, 4+8)$ = 12.

1(7) = 8 (P - 90, 1, 73 T = \$ 1, 3, 4, 5, 6, 7, 8 } L(6) = min (00, 8+1) = 9. 1(8) = min (00, 8+7) = 15 · L(2) = L(5) = L(3) = L(4) = 0. L(8) · 15. P = 90, 1, 7, 8 } T= {2,3,4,5,6} 1(6) = min (9, 15+6) = 9 1 (2) = min (12, 15+2) = 12 1. L(3) = L(5) = L(4) = D. @ / L(6) - 9. 1-90,1,6,7,84 T = { 2, 8, 4, 5} 1(5) = min (0, 9+2) = 11 -. L(3) = min L(4) = 0. L(2) = 12. P= 90, 1, 2, 7, 6, 8 T= 8 3, 4, 5 1. L(5) = min (11, 12+4) = 11 $L(3) = min (\infty, 12+7) = 19$ ∴ L(4) = ∞. 1(5) = 11. P = { 0, 1, 1, 5, 6, 7, 8 }.











