

(5)

$$g(1, \{3\}) = L_{1,3} + g_0(3, \emptyset) = 15 + 6 = 21$$

$$g(3, \{1\}) = L_{3,1} + g(1, \emptyset) = 6 + 0 = 6$$

Accordingly

$$g(2, \{3, 4\}) = \min \left[\begin{array}{l} L_{2,3} + 20 = 9 + 20 = 29 \\ L_{2,4} + 15 = 10 + 15 = 25 \end{array} \right]$$

$$= 25 \quad (\min = 4)$$

$$g(3, \{2, 4\}) = \min \left[\begin{array}{l} L_{3,2} + 18 = 13 + 18 = 31 \\ L_{3,4} + 13 = 12 + 13 = 25 \end{array} \right]$$

$$= 25 \quad (\min = 4)$$

$$g(4, \{1, 3\}) = \min \left[\begin{array}{l} L_{4,1} + 21 = 8 + 21 = 29 \\ L_{4,3} + 6 = 9 + 6 = 15 \end{array} \right]$$

$$= 15 \quad (\min = 3)$$

Accordingly

$$g(1, \{2, 3, 4\}) = \min \left[\begin{array}{l} L_{1,2} + 25 = 10 + 25 = 35 \\ L_{1,3} + 25 = 15 + 25 = 40 \\ L_{1,4} + 15 = 20 + 15 = 35 \end{array} \right]$$

$$= (\min = 35)$$

$$= 35$$

