We need to compute
$$9 \left(1, \{2,3,4\}\right) = \min \left[1,2+9\left(2,\{3,4\}\right)\right]$$

$$-1,3+9\left(3,\{2,4\}\right)$$

$$-1,4+9\left(4,\{1,3\}\right)$$

In order to compute $g(1, \{2,3,4\})$ we need to know the values of $g(2, \{3,4\})$, $g(3, \{2,4\})$ and $g(4, \{1,3\})$

$$g(2, \{3, 4\}) = \min \left[L_{2,3} + g(3, \{4\}) \right]$$

$$L_{2,4} + g(4, \{3\})$$

$$g(3, \{2,4\}) = min \left[L_{3,2} + g(3, \{4\}) \right]$$
 $\left[L_{3,4} + g(4, \{23)) \right]$

$$g(4,71,33) = min \left[\frac{L_{4,1} + 9(1,833)}{L_{4,3} + 9(3,813)} \right]$$

$$g(3, \{4\}) = L_{3,4} + Q(4, \phi) = 12 + 8 = 20$$

$$g(4, \{3\}) = L_{4,3} + Q(3, \phi) = 9 + 6 = 15$$

$$g(4, \{4\}) = L_{2,4} + Q(4, \phi) = 10 + 8 = 18$$

$$g(4, \{2\}) = L_{4,2} + Q(4, \phi) = 8 + 5 = 13$$