Länge	1	2	3	4
1	0	4	9	8
2	4	0	12	2
3	9	12	0	10
4	8	2	10	0

$L(2, \emptyset) = 4$

$L(3, \emptyset) = 9$

$L(4, \emptyset) = 8$

$L(2, \{3\}) = \overset{2\to3}{12} + \overset{3\to1}{9} = 21$

$L(2, \{4\}) = 2 + 8 = 10$

$L(3, \{2\}) = 12 + 4 = 16$

$L(3, \{4\}) = 10 + 8 = 18$

$L(4, \{2\}) = 2 + 4 = 6$

$L(4, \{3\}) = 10 + 9 = 19$

$L(2, \{3,4\}) = \min \{ l_{2,3} + L(3, \{4\}),$
$l_{2,4} + L(4, \{3\}) \}$

$= \min \{ 12 + 18, \underline{2 + 19} \} = 21$

$L(3, \{2,4\}) = \min \{ l_{3,2} + L(2, \{4\}),$
$l_{3,4} + L(4, \{2\}) \}$

$= \min \{ 12 + 10, \underline{10 + 6} \} = 16$

$L(4, \{2,3\}) = \ldots = 23$

Opt. Tour: $1 \xrightarrow{4} 2 \xrightarrow{2} 4 \xrightarrow{10} 3$ (9)

Gesamtlösung: $L(1, \{2,3,4\}) = \min \{ l_{12} + L(2, \{3,4\}),\ l_{13} + L(3, \{2,4\}),\ l_{14} + L(4, \{2,3\}) \}$

$= \min \{ \underline{4 + 21},\ \underline{9 + 16},\ 8 + 23 \} = \underline{25}$