

附錄 本研究最佳結果之成本及路線圖

例題編號	: r101
文獻已知最佳解之車輛數／總路線距離	: 18/1607.7[6]
本研究之車輛數／總路線距離	: 19/1655.19
路線編號	經過節點順序
1	0, 5, 83, 61, 85, 37, 91, 100, 0
2	0, 2, 21, 73, 41, 56, 4, 0
3	0, 27, 69, 76, 79, 3, 54, 24, 80, 0
4	0, 36, 47, 19, 10, 0
5	0, 45, 82, 7, 8, 46, 17, 93, 0
6	0, 72, 75, 22, 74, 58, 0
7	0, 92, 42, 15, 87, 57, 97, 0
8	0, 95, 98, 16, 86, 96, 0
9	0, 62, 11, 90, 20, 32, 70, 0
10	0, 28, 12, 40, 53, 26, 0
11	0, 31, 88, 6, 0
12	0, 65, 71, 81, 50, 68, 0
13	0, 52, 18, 84, 60, 89, 0
14	0, 14, 44, 38, 43, 13, 0
15	0, 63, 64, 49, 48, 0
16	0, 59, 99, 94, 0
17	0, 39, 23, 67, 55, 25, 0
18	0, 30, 51, 9, 66, 1, 0
19	0, 33, 29, 78, 34, 35, 77, 0

例題編號	: r102
文獻已知最佳解之車輛數／總路線距離	: 17/1434.0[6]
本研究之車輛數／總路線距離	: 17/1495.97
路線編號	經過節點順序
1	0, 39, 23, 67, 55, 4, 25, 26, 0
2	0, 42, 15, 41, 75, 56, 74, 21, 0
3	0, 27, 69, 76, 79, 68, 0
4	0, 92, 37, 98, 91, 61, 84, 5, 60, 89, 0
5	0, 62, 88, 8, 46, 82, 0
6	0, 94, 96, 99, 6, 95, 97, 13, 0
7	0, 40, 53, 0
8	0, 87, 57, 2, 58, 0
9	0, 63, 64, 90, 10, 31, 0
10	0, 28, 29, 78, 34, 35, 3, 77, 0
11	0, 50, 33, 30, 51, 9, 66, 1, 0
12	0, 83, 45, 16, 86, 17, 85, 93, 0
13	0, 36, 47, 18, 0
14	0, 73, 22, 72, 54, 24, 80, 12, 0
15	0, 65, 71, 81, 20, 32, 70, 0
16	0, 14, 44, 38, 43, 100, 59, 0
17	0, 11, 19, 49, 48, 7, 52, 0

例題編號	: r103
文獻已知最佳解之車輛數／總路線距離	: 13/1207[31]
本研究之車輛數／總路線距離	: 13/1326.17
路線編號	經過節點順序
1	0, 52, 7, 62, 88, 6, 0
2	0, 27, 40, 53, 3, 68, 29, 24, 0
3	0, 31, 90, 63, 64, 49, 19, 47, 48, 82, 18, 0
4	0, 36, 11, 8, 46, 17, 60, 89, 0
5	0, 50, 33, 51, 30, 78, 34, 35, 81, 77, 28, 0
6	0, 83, 45, 5, 99, 84, 61, 85, 100, 59, 0
7	0, 71, 65, 9, 66, 20, 32, 70, 0
8	0, 2, 57, 22, 74, 72, 73, 58, 0
9	0, 69, 76, 79, 10, 1, 0
10	0, 21, 39, 23, 67, 55, 25, 26, 0
11	0, 42, 43, 15, 41, 75, 56, 4, 54, 80, 12, 0
12	0, 87, 97, 95, 94, 13, 0
13	0, 87, 37, 98, 100, 97, 0
14	0, 92, 37, 14, 44, 38, 86, 16, 91, 98, 93, 96, 0

例題編號	: r104
文獻已知最佳解之車輛數／總路線距離	: 10/982.01[27]
本研究之車輛數／總路線距離	: 10/991.27
路線編號	經過節點順序
1	0, 6, 5, 60, 83, 45, 8, 46, 47, 48, 82, 18, 89, 0
2	0, 92, 37, 98, 59, 99, 84, 17, 61, 85, 93, 96, 94, 0
3	0, 10, 63, 90, 32, 20, 66, 65, 71, 33, 50, 0
4	0, 72, 75, 56, 23, 67, 39, 55, 4, 25, 54, 0
5	0, 31, 88, 62, 11, 64, 49, 36, 19, 7, 52, 0
6	0, 2, 43, 15, 87, 57, 41, 22, 74, 73, 21, 40, 0
7	0, 53, 13, 58, 0
8	0, 97, 42, 14, 44, 38, 86, 16, 91, 100, 95, 0
9	0, 1, 70, 30, 51, 81, 9, 35, 34, 78, 3, 77, 28, 0
10	0, 27, 69, 76, 79, 29, 24, 68, 80, 12, 26, 0

例題編號	: r105
文獻已知最佳解之車輛數／總路線距離	: 14/1377.11[27]
本研究之車輛數／總路線距離	: 14/1398.35
路線編號	經過節點順序
1	0, 59, 92, 98, 16, 61, 85, 84, 17, 60, 89, 0
2	0, 52, 62, 88, 7, 0
3	0, 42, 14, 44, 38, 86, 43, 13, 0
4	0, 31, 30, 51, 81, 78, 34, 35, 77, 0
5	0, 28, 12, 29, 79, 3, 50, 68, 24, 80, 0
6	0, 33, 65, 71, 9, 66, 20, 1, 0
7	0, 63, 11, 64, 49, 46, 48, 0
8	0, 72, 39, 23, 67, 55, 54, 4, 25, 0
9	0, 45, 83, 82, 8, 18, 97, 37, 100, 91, 93, 0
10	0, 21, 73, 75, 22, 41, 56, 74, 58, 0
11	0, 95, 5, 99, 94, 6, 96, 0
12	0, 27, 69, 76, 40, 53, 0
13	0, 47, 36, 19, 90, 10, 32, 70, 0
14	0, 2, 15, 57, 87, 26, 0

例題編號	: r106
文獻已知最佳解之車輛數／總路線距離	: 12/1252.03[27]
本研究之車輛數／總路線距離	: 12/1266.07
路線編號	經過節點順序
1	0, 48, 47, 36, 19, 49, 46, 82, 7, 52, 0
2	0, 42, 15, 73, 41, 22, 75, 56, 74, 72, 21, 0
3	0, 59, 92, 14, 44, 38, 86, 91, 100, 37, 98, 0
4	0, 62, 88, 18, 8, 17, 85, 93, 96, 0
5	0, 27, 76, 53, 6, 94, 95, 97, 13, 0
6	0, 40, 87, 57, 43, 2, 58, 0
7	0, 50, 33, 65, 71, 66, 20, 32, 70, 1, 0
8	0, 69, 30, 51, 81, 9, 35, 34, 3, 77, 0
9	0, 63, 64, 11, 90, 10, 31, 0
10	0, 83, 45, 16, 61, 99, 84, 5, 60, 89, 0
11	0, 26, 39, 23, 67, 55, 54, 4, 25, 0
12	0, 28, 29, 78, 79, 68, 24, 80, 12, 0

例題編號	: r107
文獻已知最佳解之車輛數／總路線距離	: 10/1104.66 [21]
本研究之車輛數／總路線距離	: 10/1198.99
路線編號	經過節點順序
1	0, 28, 27, 69, 1, 76, 79, 78, 34, 35, 3, 77, 0
2	0, 19, 62, 11, 64, 49, 47, 48, 82, 7, 52, 0
3	0, 21, 72, 39, 23, 67, 55, 4, 25, 54, 0
4	0, 97, 42, 43, 15, 57, 87, 2, 13, 89, 18, 0
5	0, 45, 88, 30, 10, 63, 90, 32, 31, 0
6	0, 94, 95, 59, 96, 99, 6, 53, 68, 29, 24, 80, 0
7	0, 50, 12, 26, 40, 22, 41, 75, 56, 74, 73, 58, 0
8	0, 92, 98, 85, 44, 14, 38, 86, 16, 61, 91, 100, 37, 0
9	0, 36, 46, 8, 83, 84, 60, 5, 17, 93, 0
10	0, 33, 81, 65, 71, 9, 66, 20, 51, 70, 0

例題編號	: r108
文獻已知最佳解之車輛數／總路線距離	: 9/964.38 [15]
本研究之車輛數／總路線距離	: 9/1000.23
路線編號	經過節點順序
1	0, 50, 78, 34, 9, 35, 71, 65, 66, 70, 0
2	0, 31, 88, 62, 11, 64, 49, 36, 47, 19, 7, 52, 0
3	0, 27, 1, 69, 76, 79, 29, 24, 55, 25, 80, 68, 0
4	0, 18, 82, 48, 46, 8, 84, 5, 85, 91, 100, 37, 97, 0
5	0, 2, 57, 15, 43, 42, 87, 41, 22, 74, 72, 73, 58, 0
6	0, 10, 63, 90, 32, 30, 20, 51, 81, 33, 3, 77, 28, 0
7	0, 21, 75, 56, 23, 67, 39, 4, 54, 12, 26, 0
8	0, 59, 92, 98, 93, 99, 96, 53, 40, 13, 95, 94, 6, 0
9	0, 61, 16, 44, 14, 38, 86, 17, 45, 83, 60, 89, 0

例題編號	: r109
文獻已知最佳解之車輛數／總路線距離	: 11/1194.73 [16]
本研究之車輛數／總路線距離	: 12/1158.71
路線編號	經過節點順序
1	0, 5, 83, 45, 84, 99, 96, 6, 0
2	0, 28, 76, 33, 81, 79, 3, 50, 26, 0
3	0, 40, 21, 73, 22, 41, 74, 56, 4, 0
4	0, 52, 7, 82, 18, 8, 46, 17, 60, 89, 0
5	0, 2, 15, 42, 87, 94, 53, 0
6	0, 95, 92, 98, 85, 61, 16, 86, 91, 100, 37, 93, 0
7	0, 62, 11, 64, 63, 90, 32, 10, 0
8	0, 12, 29, 78, 9, 35, 34, 68, 77, 0
9	0, 59, 44, 38, 14, 43, 57, 97, 13, 58, 0
10	0, 27, 69, 30, 51, 71, 65, 66, 20, 70, 1, 0
11	0, 72, 75, 23, 67, 39, 25, 55, 54, 24, 80, 0
12	0, 31, 88, 19, 47, 36, 49, 48, 0

例題編號	: r110
文獻已知最佳解之車輛數／總路線距離	: 10/1174.49 [5]
本研究之車輛數／總路線距離	: 11/1113.63
路線編號	經過節點順序
1	0, 95, 59, 98, 93, 99, 94, 97, 96, 6, 0
2	0, 52, 82, 7, 18, 8, 45, 84, 17, 60, 89, 0
3	0, 14, 38, 86, 16, 44, 91, 100, 37, 92, 13, 0
4	0, 2, 41, 22, 74, 73, 40, 53, 26, 0
5	0, 12, 80, 29, 34, 78, 50, 0
6	0, 31, 88, 19, 47, 49, 36, 46, 48, 0
7	0, 21, 72, 75, 56, 23, 67, 39, 25, 55, 4, 0
8	0, 27, 69, 30, 51, 9, 71, 35, 65, 66, 1, 0
9	0, 83, 5, 61, 85, 87, 57, 15, 43, 42, 58, 0
10	0, 62, 11, 64, 63, 90, 10, 20, 32, 70, 0
11	0, 28, 76, 33, 81, 79, 3, 77, 68, 54, 24, 0

例題編號	: r111
文獻已知最佳解之車輛數／總路線距離	: 10/1099.46 [16]
本研究之車輛數／總路線距離	: 11/1076.99
路線編號	經過節點順序
1	0, 7, 19, 64, 49, 36, 46, 47, 48, 82, 0
2	0, 27, 69, 30, 71, 65, 35, 34, 3, 77, 0
3	0, 42, 14, 44, 38, 86, 61, 16, 91, 100, 93, 59, 0
4	0, 18, 45, 8, 84, 17, 5, 83, 60, 89, 0
5	0, 73, 75, 23, 67, 39, 55, 4, 25, 54, 0
6	0, 53, 40, 0
7	0, 52, 88, 62, 11, 63, 10, 90, 32, 70, 31, 0
8	0, 50, 33, 81, 78, 79, 29, 24, 68, 80, 12, 26, 0
9	0, 2, 57, 15, 43, 41, 22, 74, 56, 72, 21, 58, 0
10	0, 28, 76, 51, 9, 66, 20, 1, 0
11	0, 95, 92, 37, 98, 85, 99, 87, 6, 94, 13, 97, 96, 0

例題編號	: r112
文獻已知最佳解之車輛數／總路線距離	: 10/953.63 [27]
本研究之車輛數／總路線距離	: 10/966.126
路線編號	經過節點順序
1	0, 69, 30, 90, 32, 63, 64, 49, 36, 46, 0
2	0, 95, 99, 61, 16, 86, 38, 14, 44, 91, 100, 37, 13, 0
3	0, 6, 94, 87, 97, 92, 98, 85, 93, 59, 96, 0
4	0, 2, 57, 42, 43, 15, 41, 22, 74, 58, 0
5	0, 28, 76, 79, 78, 34, 35, 71, 65, 66, 20, 1, 0
6	0, 27, 51, 9, 81, 33, 3, 29, 24, 25, 55, 54, 0
7	0, 53, 26, 12, 80, 68, 77, 50, 0
8	0, 52, 18, 83, 8, 45, 17, 84, 5, 60, 89, 0
9	0, 40, 21, 73, 72, 75, 56, 23, 67, 39, 4, 0
10	0, 31, 88, 7, 82, 48, 47, 19, 11, 62, 10, 70, 0

例題編號	: r201
文獻已知最佳解之車輛數／總路線距離	: 4/1252.37 [16]
本研究之車輛數／總路線距離	: 4/1276.51
路線編號	經過節點順序
1	0, 5, 83, 45, 82, 47, 36, 64, 11, 19, 62, 88, 7, 8, 18, 90, 49, 46, 48, 13, 58, 0
2	0, 95, 59, 92, 14, 42, 15, 2, 21, 12, 29, 76, 30, 71, 9, 51, 81, 79, 78, 34, 3, 50, 20, 10, 32, 66, 35, 68, 77, 1, 70, 0
3	0, 63, 65, 33, 69, 31, 52, 98, 61, 16, 44, 38, 86, 85, 99, 84, 6, 94, 96, 97, 37, 43, 100, 91, 93, 60, 17, 89, 0

例題編號	: r202
文獻已知最佳解之車輛數／總路線距離	: 3/1198.45 [16]
本研究之車輛數／總路線距離	: 4/1117.59
路線編號	經過節點順序
1	0, 52, 7, 82, 45, 48, 47, 36, 63, 64, 11, 19, 62, 88, 31, 30, 51, 79, 78, 81, 9, 90, 10, 20, 32, 66, 35, 34, 24, 25, 26, 0
2	0, 28, 33, 65, 71, 29, 3, 76, 12, 53, 6, 94, 95, 97, 43, 74, 2, 13, 58, 0
3	0, 96, 59, 92, 37, 42, 15, 14, 38, 44, 16, 61, 86, 99, 87, 57, 41, 22, 75, 56, 4, 55, 54, 68, 80, 77, 50, 1, 70, 0
4	0, 27, 69, 39, 67, 23, 72, 73, 21, 40, 18, 83, 84, 8, 49, 46, 17, 85, 91, 100, 98, 93, 5, 60, 89, 0

例題編號	: r203
文獻已知最佳解之車輛數／總路線距離	: 3/942.7 [16]
本研究之車輛數／總路線距離	: 3/980.18
路線編號	經過節點順序
1	0, 28, 33, 81, 65, 51, 1, 69, 39, 67, 23, 72, 73, 21, 40, 53, 84, 8, 82, 48, 49, 47, 19, 10, 32, 90, 63, 7, 18, 60, 5, 17, 61, 59, 95, 13, 93, 98, 37, 100, 97, 2, 58, 0
2	0, 89, 94, 92, 42, 15, 43, 14, 44, 38, 86, 16, 91, 85, 99, 96, 6, 87, 57, 41, 22, 75, 56, 74, 4, 55, 25, 54, 24, 77, 50, 70, 0
3	0, 27, 52, 83, 45, 46, 36, 64, 11, 62, 88, 31, 30, 76, 3, 79, 78, 9, 20, 66, 71, 35, 34, 29, 68, 80, 12, 26, 0

例題編號	: r204
文獻已知最佳解之車輛數／總路線距離	: 2/849.05 [21]
本研究之車輛數／總路線距離	: 3/761.674
路線編號	經過節點順序
1	0, 27, 69, 31, 88, 62, 10, 32, 90, 63, 11, 19, 64, 49, 36, 47, 46, 8, 45, 17, 84, 83, 60, 5, 85, 100, 13, 58, 0
2	0, 52, 7, 48, 82, 18, 89, 6, 94, 95, 92, 37, 98, 91, 44, 14, 38, 86, 16, 61, 93, 99, 96, 59, 97, 87, 53, 40, 21, 73, 74, 72, 4, 55, 25, 24, 29, 3, 77, 68, 80, 12, 26, 0
3	0, 2, 57, 42, 43, 15, 41, 22, 75, 56, 23, 67, 39, 54, 76, 50, 79, 33, 51, 9, 81, 78, 34, 35, 71, 65, 66, 20, 30, 70, 1, 28, 0

例題編號	: r205
文獻已知最佳解之車輛數／總路線距離	: 3/994.42 [18]
本研究之車輛數／總路線距離	: 3/1049.13
路線編號	經過節點順序
1	0, 45, 83, 5, 59, 95, 92, 98, 14, 42, 15, 2, 73, 72, 39, 67, 23, 75, 22, 21, 40, 53, 94, 6, 99, 85, 87, 57, 43, 41, 74, 56, 54, 26, 13, 96, 97, 37, 100, 91, 93, 17, 60, 89, 0
2	0, 27, 52, 62, 11, 63, 64, 36, 47, 19, 88, 7, 82, 18, 61, 16, 44, 38, 86, 84, 8, 46, 49, 48, 70, 1, 0
3	0, 28, 69, 31, 30, 33, 65, 71, 9, 78, 29, 12, 76, 3, 79, 81, 51, 20, 10, 90, 32, 66, 35, 34, 50, 77, 68, 80, 24, 55, 25, 4, 58, 0

例題編號	: r206
文獻已知最佳解之車輛數／總路線距離	: 3/833 [31]
本研究之車輛數／總路線距離	: 3/961.227
路線編號	經過節點順序
1	0, 27, 69, 1, 50, 33, 71, 65, 63, 64, 11, 62, 88, 19, 49, 46, 8, 18, 83, 84, 17, 60, 93, 85, 91, 100, 37, 98, 95, 94, 13, 89, 0
2	0, 52, 7, 82, 48, 47, 36, 45, 5, 59, 92, 42, 15, 14, 44, 38, 86, 16, 61, 99, 96, 6, 53, 40, 73, 22, 41, 2, 87, 97, 43, 57, 74, 56, 4, 25, 55, 54, 24, 80, 68, 34, 35, 3, 77, 12, 26, 58, 0
3	0, 28, 21, 72, 75, 23, 67, 39, 29, 76, 79, 78, 81, 9, 51, 30, 20, 66, 90, 32, 10, 70, 31, 0

例題編號	: r207
文獻已知最佳解之車輛數／總路線距離	: 2/905.13 [21]
本研究之車輛數／總路線距離	: 2/914.527
路線編號	經過節點順序
1	0, 95, 42, 92, 59, 5, 45, 46, 36, 64, 11, 62, 88, 52, 27, 69, 1, 30, 51, 9, 78, 79, 3, 76, 28, 53, 40, 21, 72, 22, 41, 57, 2, 73, 74, 75, 56, 4, 25, 55, 54, 80, 68, 77, 12, 26, 58, 13, 37, 98, 100, 91, 85, 93, 96, 0
2	0, 50, 33, 81, 65, 34, 29, 24, 39, 67, 23, 15, 43, 14, 44, 38, 86, 16, 61, 99, 97, 87, 94, 6, 60, 84, 8, 48, 47, 49, 19, 10, 63, 90, 32, 66, 71, 35, 20, 70, 31, 7, 82, 17, 83, 18, 89, 0

例題編號	: r208
文獻已知最佳解之車輛數／總路線距離	: 2/726.82 [13]
本研究之車輛數／總路線距離	: 2/741.441
路線編號	經過節點順序
1	0, 52, 88, 7, 82, 48, 19, 11, 62, 10, 31, 69, 70, 30, 51, 9, 81, 33, 79, 3, 76, 28, 53, 6, 96, 99, 59, 97, 87, 2, 21, 73, 74, 72, 4, 25, 55, 54, 12, 26, 40, 58, 13, 100, 91, 85, 93, 5, 60, 83, 18, 89, 0
2	0, 94, 95, 92, 98, 37, 42, 57, 22, 75, 56, 39, 67, 23, 41, 15, 43, 14, 44, 38, 86, 16, 61, 84, 17, 45, 8, 46, 47, 36, 49, 64, 63, 90, 32, 20, 66, 65, 71, 35, 34, 78, 29, 24, 80, 68, 77, 50, 1, 27, 0,

例題編號	: r209
文獻已知最佳解之車輛數／總路線距離	: 3/855 [31]
本研究之車輛數／總路線距離	: 3/946.624
路線編號	經過節點順序
1	0, 95, 59, 98, 92, 2, 41, 23, 67, 39, 75, 22, 72, 73, 21, 40, 53, 76, 33, 81, 3, 79, 78, 34, 35, 65, 66, 20, 32, 48, 96, 91, 60, 89, 0
2	0, 28, 12, 29, 9, 71, 51, 30, 90, 62, 88, 7, 18, 6, 94, 87, 57, 15, 43, 42, 100, 37, 97, 13, 58, 26, 0
3	0, 27, 52, 69, 31, 63, 64, 11, 19, 47, 82, 8, 83, 84, 5, 99, 93, 85, 61, 16, 44, 14, 38, 86, 17, 45, 46, 36, 49, 10, 70, 1, 50, 77, 68, 80, 24, 54, 55, 25, 4, 56, 74, 0

例題編號	: r210
文獻已知最佳解之車輛數／總路線距離	: 3/939.37 [2]
本研究之車輛數／總路線距離	: 3/992.157
路線編號	經過節點順序
1	0, 92, 42, 15, 73, 21, 39, 67, 23, 75, 22, 41, 57, 87, 2, 40, 53, 6, 95, 97, 43, 14, 91, 85, 93, 96, 94, 13, 37, 100, 17, 60, 89, 0
2	0, 27, 52, 7, 82, 48, 36, 64, 11, 62, 88, 31, 30, 76, 79, 81, 9, 78, 29, 24, 55, 4, 72, 74, 56, 25, 54, 26, 58, 0
3	0, 28, 12, 33, 65, 71, 51, 69, 18, 83, 45, 86, 38, 44, 16, 61, 98, 59, 99, 5, 84, 8, 46, 47, 49, 19, 63, 90, 32, 10, 70, 20, 66, 35, 34, 3, 68, 80, 77, 50, 1, 0

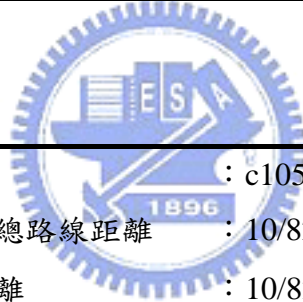
例題編號	: r211
文獻已知最佳解之車輛數／總路線距離	: 2/910.09 [16]
本研究之車輛數／總路線距離	: 3/814.039
路線編號	經過節點順序
1	0, 21, 39, 67, 23, 75, 72, 73, 2, 57, 15, 42, 14, 44, 38, 86, 16, 85, 98, 93, 5, 60, 83, 8, 82, 48, 7, 88, 10, 63, 90, 32, 20, 66, 35, 34, 3, 77, 50, 1, 0
2	0, 28, 12, 76, 29, 78, 79, 33, 81, 9, 65, 71, 51, 30, 70, 52, 18, 89, 6, 94, 96, 99, 59, 95, 97, 87, 43, 41, 22, 74, 56, 4, 25, 55, 54, 24, 68, 80, 26, 0
3	0, 27, 69, 31, 62, 19, 11, 64, 49, 36, 47, 46, 45, 17, 84, 61, 91, 100, 37, 92, 13, 58, 40, 53, 0

例題編號	: c101
文獻已知最佳解之車輛數／總路線距離	: 10/827.3 [6]
本研究之車輛數／總路線距離	: 10/828.94
路線編號	經過節點順序
1	0, 67, 65, 63, 62, 74, 72, 61, 64, 68, 66, 69, 0
2	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0
3	0, 43, 42, 41, 40, 44, 46, 45, 48, 51, 50, 52, 49, 47, 0
4	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
5	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0
8	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 0
9	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0
10	,

例題編號	: c102
文獻已知最佳解之車輛數／總路線距離	: 10/827.3 [6]
本研究之車輛數／總路線距離	: 10/828.94
路線編號	經過節點順序
1	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0
2	0, 67, 65, 63, 62, 74, 72, 61, 64, 68, 66, 69, 0
3	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0
4	0, 43, 42, 41, 40, 44, 46, 45, 48, 51, 50, 52, 49, 47, 0
5	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
6	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
7	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 0
8	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
9	0, 57, 55, 54, 53, 56, 58, 60, 59, 0
10	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0

例題編號	: c103
文獻已知最佳解之車輛數／總路線距離	: 10/828.06 [27]
本研究之車輛數／總路線距離	: 10/828.06
路線編號	經過節點順序
1	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
2	0, 67, 65, 62, 74, 72, 61, 64, 68, 66, 69, 0
3	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0
4	0, 43, 42, 41, 40, 44, 46, 45, 48, 51, 50, 52, 49, 47, 0
5	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 57, 55, 54, 53, 56, 58, 60, 59, 0
8	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 63, 0
9	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0
10	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0

例題編號	: c104
文獻已知最佳解之車輛數／總路線距離	: 10/824.78 [27]
本研究之車輛數／總路線距離	: 10/828.07
路線編號	經過節點順序
1	0, 13, 15, 12, 14, 16, 19, 18, 17, 10, 0
2	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 63, 0
3	0, 34, 36, 39, 38, 37, 35, 31, 33, 32, 0
4	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0
5	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 5, 3, 7, 8, 11, 9, 6, 4, 2, 1, 75, 0
8	0, 55, 54, 53, 56, 58, 60, 59, 57, 0
9	0, 67, 65, 62, 74, 72, 61, 64, 68, 66, 69, 0
10	0, 43, 42, 41, 40, 44, 46, 45, 48, 51, 50, 52, 49, 47, 0



例題編號	: c105
文獻已知最佳解之車輛數／總路線距離	: 10/828.94 [26]
本研究之車輛數／總路線距離	: 10/828.94
路線編號	經過節點順序
1	0, 67, 65, 63, 62, 74, 72, 61, 64, 68, 66, 69, 0
2	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0
3	0, 43, 42, 41, 40, 44, 46, 45, 48, 51, 50, 52, 49, 47, 0
4	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
5	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0
8	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 0
9	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0
10	0, 57, 55, 54, 53, 56, 58, 60, 59, 0

例題編號	: c106
文獻已知最佳解之車輛數／總路線距離	: 10/827.3 [6]
本研究之車輛數／總路線距離	: 10/828.94
路線編號	經過節點順序
1	0, 67, 65, 63, 62, 74, 72, 61, 64, 68, 66, 69, 0
2	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0
3	0, 43, 42, 41, 40, 44, 46, 45, 48, 51, 50, 52, 49, 47, 0
4	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
5	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0
8	0, 57, 55, 54, 53, 56, 58, 60, 59, 0
9	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 0
10	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0

例題編號	: c107
文獻已知最佳解之車輛數／總路線距離	: 10/827.3 [6]
本研究之車輛數／總路線距離	: 10/828.94
路線編號	經過節點順序
1	0, 67, 65, 63, 62, 74, 72, 61, 64, 68, 66, 69, 0
2	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0
3	0, 43, 42, 41, 40, 44, 46, 45, 48, 51, 50, 52, 49, 47, 0
4	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
5	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0
8	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 0
9	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0
10	0, 57, 55, 54, 53, 56, 58, 60, 59, 0

例題編號	: c108
文獻已知最佳解之車輛數／總路線距離	: 10/827.3 [6]
本研究之車輛數／總路線距離	: 10/828.94
路線編號	經過節點順序
1	0, 67, 65, 63, 62, 74, 72, 61, 64, 68, 66, 69, 0
2	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0
3	0, 43, 42, 41, 40, 44, 45, 46, 48, 51, 50, 52, 49, 47, 0
4	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
5	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0
8	0, 57, 55, 54, 53, 56, 58, 60, 59, 0
9	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 0
10	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0

例題編號	: c109
文獻已知最佳解之車輛數／總路線距離	: 10/828.94 [26]
本研究之車輛數／總路線距離	: 10/828.94
路線編號	經過節點順序
1	0, 43, 42, 41, 40, 44, 45, 46, 48, 51, 50, 52, 49, 47, 0
2	0, 5, 3, 7, 8, 10, 11, 9, 6, 4, 2, 1, 75, 0
3	0, 67, 65, 63, 62, 74, 72, 61, 64, 68, 66, 69, 0
4	0, 90, 87, 86, 83, 82, 84, 85, 88, 89, 91, 0
5	0, 13, 17, 18, 19, 15, 16, 14, 12, 0
6	0, 98, 96, 95, 94, 92, 93, 97, 100, 99, 0
7	0, 32, 33, 31, 35, 37, 38, 39, 36, 34, 0
8	0, 57, 55, 54, 53, 56, 58, 60, 59, 0
9	0, 81, 78, 76, 71, 70, 73, 77, 79, 80, 0
10	0, 20, 24, 25, 27, 29, 30, 28, 26, 23, 22, 21, 0

例題編號	: c201
文獻已知最佳解之車輛數／總路線距離	: 3/591.56 [26]
本研究之車輛數／總路線距離	: 3/591.56
路線編號	經過節點順序
1	0, 93, 5, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 88, 84, 86, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 96, 87, 90, 0
2	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 45, 51, 50, 52, 47, 43, 42, 41, 48, 0
3	0, 20, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 18, 19, 16, 14, 12, 15, 17, 13, 25, 9, 11, 10, 8, 21, 0

例題編號	: c202
文獻已知最佳解之車輛數／總路線距離	: 3/591.56 [26]
本研究之車輛數／總路線距離	: 3/591.56
路線編號	經過節點順序
1	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 45, 51, 50, 52, 47, 43, 42, 41, 48, 0
2	0, 20, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 18, 19, 16, 14, 12, 15, 17, 13, 25, 9, 11, 10, 8, 21, 0
3	0, 93, 5, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 88, 84, 86, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 96, 87, 90, 0

例題編號	: c203
文獻已知最佳解之車輛數／總路線距離	: 3/591.17 [27]
本研究之車輛數／總路線距離	: 3/591.17
路線編號	經過節點順序
1	0, 93, 5, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 88, 84, 86, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 96, 87, 90, 0
2	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 45, 51, 50, 52, 47, 42, 41, 43, 48, 0
3	0, 20, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 18, 19, 16, 14, 12, 15, 17, 13, 25, 9, 11, 10, 8, 21, 0

例題編號	: c204
文獻已知最佳解之車輛數／總路線距離	: 3/590.60 [26]
本研究之車輛數／總路線距離	: 3/599.76
路線編號	經過節點順序
1	0, 93, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 90, 88, 84, 86, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 87, 96, 0
2	0, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 17, 18, 19, 16, 14, 12, 15, 13, 25, 9, 11, 10, 5, 8, 21, 20, 0
3	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 41, 42, 45, 51, 50, 52, 47, 43, 48, 0

例題編號	: c205
文獻已知最佳解之車輛數／總路線距離	: 3/588.88 [26]
本研究之車輛數／總路線距離	: 3/588.88
路線編號	經過節點順序
1	0, 93, 5, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 88, 86, 84, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 96, 87, 90, 0
2	0, 20, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 18, 19, 16, 14, 12, 15, 17, 13, 25, 9, 11, 10, 8, 21, 0
3	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 45, 51, 50, 52, 47, 43, 42, 41, 48, 0

例題編號	: c206
文獻已知最佳解之車輛數／總路線距離	: 3/588.49 [26]
本研究之車輛數／總路線距離	: 3/588.49
路線編號	經過節點順序
1	0, 93, 5, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 88, 86, 84, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 96, 87, 90, 0
2	0, 20, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 18, 19, 16, 14, 12, 15, 17, 13, 25, 9, 11, 10, 8, 21, 0
3	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 45, 51, 50, 52, 47, 42, 41, 43, 48, 0

例題編號	: c207
文獻已知最佳解之車輛數／總路線距離	: 3/588.29 [27]
本研究之車輛數／總路線距離	: 3/588.29
路線編號	經過節點順序
1	0, 93, 5, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 88, 86, 84, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 96, 87, 90, 0
2	0, 20, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 17, 18, 19, 16, 14, 12, 15, 13, 25, 9, 11, 10, 8, 21, 0
3	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 45, 51, 50, 52, 47, 42, 41, 43, 48, 0

例題編號	: c208
文獻已知最佳解之車輛數／總路線距離	: 3/588.32 [27]
本研究之車輛數／總路線距離	: 3/588.32
路線編號	經過節點順序
1	0, 93, 5, 75, 2, 1, 99, 100, 97, 92, 94, 95, 98, 7, 3, 4, 89, 91, 88, 86, 84, 83, 82, 85, 76, 71, 70, 73, 80, 79, 81, 78, 77, 96, 87, 90, 0
2	0, 20, 22, 24, 27, 30, 29, 6, 32, 33, 31, 35, 37, 38, 39, 36, 34, 28, 26, 23, 18, 17, 19, 16, 14, 12, 15, 13, 25, 9, 11, 10, 8, 21, 0
3	0, 67, 63, 62, 74, 72, 61, 64, 66, 69, 68, 65, 49, 55, 54, 53, 56, 58, 60, 59, 57, 40, 44, 46, 45, 51, 50, 52, 47, 42, 41, 43, 48, 0

例題編號	: rc101
文獻已知最佳解之車輛數／總路線距離	: 14/1669 [31]
本研究之車輛數／總路線距離	: 15/1649.23
路線編號	經過節點順序
1	0, 95, 62, 67, 71, 94, 96, 54, 68, 0
2	0, 72, 36, 38, 41, 40, 43, 37, 35, 0
3	0, 65, 59, 75, 87, 97, 58, 77, 0
4	0, 5, 45, 2, 7, 6, 8, 3, 1, 4, 0
5	0, 90, 0
6	0, 69, 98, 88, 53, 78, 60, 100, 70, 0
7	0, 82, 11, 15, 16, 9, 10, 13, 17, 0
8	0, 92, 33, 30, 28, 26, 32, 93, 0
9	0, 39, 42, 44, 61, 81, 0
10	0, 23, 21, 19, 18, 89, 91, 0
11	0, 14, 47, 12, 73, 79, 46, 55, 0
12	0, 63, 76, 85, 84, 56, 66, 0
13	0, 31, 29, 27, 34, 50, 80, 0
14	0, 64, 51, 49, 22, 20, 48, 25, 0
15	0, 83, 52, 99, 57, 86, 74, 24, 0

例題編號	: rc102
文獻已知最佳解之車輛數／總路線距離	: 12/1554.75 [32]
本研究之車輛數／總路線距離	: 13/1501.57
路線編號	經過節點順序
1	0, 1, 3, 45, 5, 8, 7, 6, 46, 4, 2, 0
2	0, 39, 36, 40, 38, 41, 43, 35, 37, 72, 0
3	0, 96, 71, 67, 84, 56, 66, 0
4	0, 85, 63, 76, 51, 22, 49, 20, 24, 0
5	0, 65, 83, 19, 23, 21, 18, 48, 25, 77, 0
6	0, 91, 64, 90, 55, 68, 0
7	0, 82, 99, 57, 86, 74, 59, 52, 0
8	0, 33, 28, 27, 26, 31, 34, 50, 93, 94, 80, 0
9	0, 14, 47, 15, 16, 9, 87, 97, 75, 58, 0
10	0, 42, 44, 61, 81, 54, 0
11	0, 69, 88, 53, 78, 10, 13, 17, 12, 0
12	0, 92, 95, 62, 29, 30, 32, 89, 0
13	0, 98, 11, 73, 79, 60, 100, 70, 0

例題編號	: rc103
文獻已知最佳解之車輛數／總路線距離	: 11/1110 [31]
本研究之車輛數／總路線距離	: 11/1273.99
路線編號	經過節點順序
1	0, 1, 3, 45, 5, 8, 7, 6, 46, 4, 2, 100, 0
2	0, 69, 88, 53, 10, 13, 16, 17, 47, 0
3	0, 96, 54, 42, 44, 43, 40, 35, 72, 71, 93, 0
4	0, 65, 83, 57, 99, 97, 75, 58, 77, 0
5	0, 98, 60, 78, 79, 73, 55, 70, 0
6	0, 12, 14, 15, 11, 9, 87, 59, 74, 86, 52, 82, 90, 0
7	0, 81, 39, 36, 37, 38, 41, 61, 68, 0
8	0, 33, 27, 30, 32, 28, 26, 29, 31, 34, 0
9	0, 64, 51, 76, 89, 63, 85, 95, 94, 80, 0
10	0, 91, 92, 62, 50, 67, 84, 56, 66, 0
11	0, 20, 18, 48, 21, 23, 22, 49, 19, 25, 24, 0

例題編號	: rc104
文獻已知最佳解之車輛數／總路線距離	: 10/1135.48 [15]
本研究之車輛數／總路線距離	: 10/1147.03
路線編號	經過節點順序
1	0, 80, 91, 56, 95, 62, 67, 94, 93, 71, 72, 54, 96, 81, 0
2	0, 61, 70, 1, 3, 5, 45, 8, 46, 4, 2, 100, 0
3	0, 12, 14, 15, 11, 9, 75, 58, 77, 0
4	0, 41, 42, 44, 39, 38, 37, 35, 36, 40, 43, 0
5	0, 69, 98, 53, 47, 17, 16, 13, 10, 82, 0
6	0, 22, 20, 49, 19, 23, 18, 48, 21, 25, 24, 0
7	0, 92, 34, 31, 29, 27, 26, 28, 30, 32, 33, 50, 0
8	0, 90, 83, 57, 99, 87, 97, 59, 74, 86, 52, 65, 0
9	0, 88, 60, 78, 73, 79, 7, 6, 55, 68, 0
10	0, 85, 63, 89, 76, 84, 51, 64, 66, 0

例題編號	: rc105
文獻已知最佳解之車輛數／總路線距離	: 13/1633.72 [18]
本研究之車輛數／總路線距離	: 14/1551.79
路線編號	經過節點順序
1	0, 42, 61, 81, 41, 72, 54, 93, 96, 0
2	0, 90, 53, 0
3	0, 51, 76, 89, 48, 21, 25, 24, 0
4	0, 39, 36, 44, 38, 40, 37, 35, 43, 0
5	0, 12, 14, 47, 15, 16, 9, 10, 13, 17, 0
6	0, 33, 63, 85, 84, 56, 66, 0
7	0, 31, 29, 27, 30, 28, 26, 32, 34, 50, 91, 0
8	0, 83, 19, 23, 18, 22, 49, 20, 77, 0
9	0, 88, 79, 6, 55, 68, 0
10	0, 92, 95, 62, 67, 71, 94, 80, 0
11	0, 65, 64, 99, 52, 86, 57, 74, 0
12	0, 82, 11, 87, 59, 97, 75, 58, 0
13	0, 69, 98, 78, 73, 60, 0
14	0, 2, 45, 3, 1, 5, 8, 7, 46, 4, 70, 100, 0

例題編號	: rc106
文獻已知最佳解之車輛數／總路線距離	: 11/1427.13 [15]
本研究之車輛數／總路線距離	: 12/1390.46
路線編號	經過節點順序
1	0, 82, 12, 78, 73, 79, 6, 55, 68, 0
2	0, 42, 44, 39, 38, 36, 40, 41, 43, 37, 35, 0
3	0, 61, 81, 94, 67, 93, 96, 54, 0
4	0, 14, 47, 16, 15, 11, 10, 9, 13, 17, 60, 0
5	0, 2, 45, 5, 8, 7, 46, 4, 3, 1, 70, 100, 0
6	0, 95, 33, 28, 29, 27, 26, 89, 0
7	0, 65, 52, 87, 59, 75, 97, 58, 74, 0
8	0, 72, 71, 31, 30, 32, 34, 50, 91, 80, 0
9	0, 83, 64, 19, 23, 21, 18, 48, 25, 77, 0
10	0, 69, 98, 53, 88, 90, 0
11	0, 99, 86, 57, 22, 49, 20, 24, 0
12	0, 92, 62, 63, 85, 76, 51, 84, 56, 66, 0

例題編號	: rc107
文獻已知最佳解之車輛數／總路線距離	: 11/1230.54 [32]
本研究之車輛數／總路線距離	: 11/1260.13
路線編號	經過節點順序
1	0, 41, 38, 39, 42, 44, 43, 40, 37, 35, 36, 0
2	0, 31, 29, 27, 28, 26, 30, 32, 34, 33, 0
3	0, 83, 64, 19, 49, 21, 18, 48, 23, 25, 77, 0
4	0, 92, 95, 62, 84, 85, 63, 51, 76, 89, 0
5	0, 82, 12, 14, 47, 17, 16, 15, 13, 11, 10, 0
6	0, 72, 71, 93, 94, 67, 50, 96, 54, 0
7	0, 88, 78, 73, 79, 7, 8, 46, 4, 6, 60, 0
8	0, 65, 59, 58, 75, 97, 87, 9, 66, 0
9	0, 61, 81, 68, 90, 0
10	0, 69, 98, 53, 2, 5, 45, 3, 1, 70, 100, 55, 0
11	0, 99, 52, 74, 86, 57, 24, 22, 20, 56, 91, 80, 0

例題編號	: rc108
文獻已知最佳解之車輛數／總路線距離	: 10/1139.82 [32]
本研究之車輛數／總路線距離	: 10/1220.2
路線編號	經過節點順序
1	0, 71, 72, 38, 39, 44, 43, 40, 36, 35, 37, 0
2	0, 12, 11, 13, 9, 10, 15, 16, 17, 47, 14, 0
3	0, 67, 95, 84, 51, 63, 85, 50, 62, 56, 91, 0
4	0, 64, 76, 89, 18, 48, 21, 23, 25, 77, 0
5	0, 42, 41, 61, 81, 54, 96, 94, 92, 80, 68, 0
6	0, 83, 99, 52, 86, 87, 59, 97, 75, 58, 74, 0
7	0, 69, 98, 88, 53, 78, 73, 79, 6, 60, 55, 0
8	0, 65, 82, 90, 57, 22, 20, 49, 19, 24, 66, 0
9	0, 31, 29, 27, 26, 28, 30, 32, 33, 34, 93, 0
10	0, 70, 2, 7, 8, 46, 4, 45, 5, 3, 1, 100, 0

例題編號	: rc201
文獻已知最佳解之車輛數／總路線距離	: 4/1046.94 [15]
本研究之車輛數／總路線距離	: 4/1503.77
路線編號	經過節點順序
1	0, 72, 92, 95, 63, 33, 28, 27, 29, 31, 30, 62, 67, 71, 81, 90, 99, 53, 57, 22, 49, 20, 66, 56, 96, 68, 55, 60, 4, 1, 70, 100, 0
2	0, 36, 39, 42, 5, 45, 2, 98, 69, 82, 12, 11, 15, 16, 73, 78, 79, 7, 6, 8, 46, 3, 43, 35, 37, 54, 93, 91, 80, 0
3	0, 14, 47, 59, 75, 23, 21, 19, 18, 76, 51, 86, 9, 87, 97, 10, 17, 13, 74, 0
4	0, 65, 64, 83, 52, 88, 61, 44, 40, 38, 41, 94, 84, 85, 50, 34, 32, 26, 89, 48, 24, 25, 77, 58, 0

例題編號	: rc202
文獻已知最佳解之車輛數／總路線距離	: 3/1374.27 [21]
本研究之車輛數／總路線距離	: 4/1209.82
路線編號	經過節點順序
1	0, 45, 5, 3, 1, 42, 39, 36, 37, 72, 96, 91, 64, 19, 23, 21, 48, 18, 76, 51, 84, 49, 22, 20, 83, 66, 56, 50, 34, 32, 89, 24, 25, 77, 58, 52, 0
2	0, 92, 95, 85, 63, 33, 28, 26, 27, 29, 31, 30, 62, 67, 71, 81, 90, 99, 57, 86, 87, 9, 10, 59, 97, 75, 74, 13, 17, 60, 100, 70, 93, 94, 80, 0
3	0, 65, 82, 12, 14, 47, 16, 15, 11, 53, 73, 78, 79, 7, 8, 6, 46, 4, 2, 55, 68, 0
4	0, 69, 98, 88, 61, 44, 41, 38, 40, 43, 35, 54, 0

例題編號	: rc203
文獻已知最佳解之車輛數／總路線距離	: 3/1060.45 [16]
本研究之車輛數／總路線距離	: 3/1091.66
路線編號	經過節點順序
1	0, 81, 39, 36, 42, 44, 61, 69, 88, 60, 79, 78, 53, 99, 52, 87, 9, 10, 12, 14, 13, 16, 17, 86, 74, 59, 97, 75, 58, 77, 25, 57, 83, 0
2	0, 91, 92, 95, 85, 63, 33, 28, 26, 27, 29, 31, 34, 32, 30, 62, 50, 67, 71, 72, 41, 38, 40, 6, 8, 46, 4, 5, 3, 1, 43, 35, 37, 54, 96, 93, 94, 80, 0
3	0, 90, 65, 2, 45, 7, 73, 47, 15, 11, 64, 24, 23, 21, 48, 18, 89, 76, 19, 49, 22, 20, 51, 84, 56, 66, 82, 98, 55, 68, 70, 100, 0

例題編號	: rc204
文獻已知最佳解之車輛數／總路線距離	: 3/798.46 [13]
本研究之車輛數／總路線距離	: 3/824.18
路線編號	經過節點順序
1	0, 69, 98, 10, 11, 15, 16, 17, 47, 14, 12, 53, 60, 78, 73, 79, 7, 8, 46, 45, 5, 3, 1, 4, 6, 2, 88, 55, 100, 70, 68, 61, 81, 0
2	0, 91, 92, 62, 51, 89, 76, 18, 23, 21, 48, 19, 49, 20, 22, 99, 52, 87, 9, 13, 82, 90, 0
3	0, 80, 94, 93, 96, 54, 41, 42, 44, 43, 40, 36, 35, 37, 38, 39, 72, 71, 67, 84, 85, 63, 33, 32, 30, 28, 26, 27, 29, 31, 34, 50, 95, 56, 64, 57, 86, 74, 59, 97, 75, 58, 77, 25, 24, 83, 66, 65, 0

例題編號	: rc205
文獻已知最佳解之車輛數／總路線距離	: 4/1302.42 [16]
本研究之車輛數／總路線距離	: 4/1325.37
路線編號	經過節點順序
1	0, 69, 64, 19, 23, 21, 18, 76, 85, 84, 51, 49, 22, 20, 24, 74, 13, 17, 60, 0
2	0, 39, 36, 42, 5, 45, 7, 12, 14, 47, 16, 15, 11, 99, 52, 57, 86, 9, 87, 59, 75, 97, 10, 55, 68, 43, 35, 37, 54, 96, 93, 91, 80, 0
3	0, 92, 95, 62, 94, 71, 72, 44, 40, 38, 41, 61, 98, 53, 82, 90, 66, 56, 50, 34, 32, 26, 89, 48, 25, 77, 58, 0
4	0, 65, 83, 63, 33, 28, 27, 29, 31, 30, 67, 81, 88, 78, 73, 79, 8, 46, 6, 2, 4, 3, 1, 70, 100, 0

例題編號	: rc206
文獻已知最佳解之車輛數／總路線距離	: 3/1158.81 [32]
本研究之車輛數／總路線距離	: 3/1189.36
路線編號	經過節點順序
1	0, 5, 45, 2, 69, 98, 12, 14, 47, 16, 15, 11, 59, 75, 23, 21, 18, 19, 49, 22, 57, 86, 99, 10, 9, 87, 97, 74, 24, 20, 48, 25, 77, 58, 13, 17, 60, 100, 70, 0
2	0, 65, 82, 52, 83, 71, 72, 42, 44, 39, 36, 40, 38, 41, 61, 81, 94, 67, 84, 85, 50, 34, 32, 26, 89, 56, 66, 55, 68, 0
3	0, 92, 95, 62, 31, 29, 27, 28, 30, 33, 63, 76, 51, 64, 90, 88, 53, 78, 73, 79, 7, 6, 8, 46, 4, 3, 1, 43, 35, 37, 54, 96, 93, 91, 80, 0

例題編號	: rc207
文獻已知最佳解之車輛數／總路線距離	: 3/1062.05 [15]
本研究之車輛數／總路線距離	: 3/1110.24
路線編號	經過節點順序
1	0, 82, 65, 83, 52, 99, 11, 12, 14, 47, 15, 16, 75, 59, 87, 86, 57, 49, 18, 23, 25, 77, 58, 74, 97, 13, 9, 10, 17, 60, 4, 1, 70, 100, 55, 68, 0
2	0, 92, 95, 62, 30, 28, 29, 31, 63, 76, 21, 19, 22, 64, 90, 53, 78, 73, 79, 7, 6, 8, 46, 45, 3, 42, 43, 36, 35, 37, 39, 41, 54, 96, 0
3	0, 69, 98, 88, 2, 5, 44, 40, 38, 72, 71, 93, 61, 81, 94, 67, 84, 51, 85, 50, 34, 27, 26, 32, 33, 89, 48, 20, 24, 66, 56, 91, 80, 0

例題編號	: rc208
文獻已知最佳解之車輛數／總路線距離	: 3/829.69 [18]
本研究之車輛數／總路線距離	: 3/877.22
路線編號	經過節點順序
1	0, 92, 95, 64, 83, 65, 61, 42, 44, 40, 36, 38, 39, 41, 72, 71, 67, 62, 50, 34, 31, 29, 27, 26, 28, 30, 32, 33, 76, 89, 63, 85, 51, 84, 20, 24, 66, 56, 91, 0
2	0, 69, 98, 88, 11, 15, 16, 47, 14, 12, 53, 78, 73, 79, 7, 6, 2, 46, 8, 5, 45, 4, 3, 1, 43, 35, 37, 54, 81, 96, 93, 94, 80, 0
3	0, 90, 82, 99, 52, 57, 22, 49, 19, 18, 48, 21, 23, 25, 77, 58, 75, 97, 59, 87, 74, 86, 9, 13, 10, 17, 60, 55, 100, 70, 68, 0

