

Call 7 Vehicle 3				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Random Search	1977054.4	1851768.0	43.65	0.1
Local Search	1531375.5	1477429.0	55.04	0.12
Simulated Annealing	1531375.5	1477429.0	55.04	0.13
Simulated Annealing New Operators	1677178.6	1477429.0	55.04	0.41
Adaptive Large Neighbourhood Search	1476444.0	1476444.0	55.07	9.99

Call 18 Vehicle 5				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Random Search	7039433.7	5792619.0	33.89	0.16
Local Search	3894102.7	3482990.0	60.24	0.22
Simulated Annealing	3866492.3	3727829.0	57.45	0.23
Simulated Annealing New Operators	5157061.3	4439699.0	49.33	1.18
Adaptive Large Neighbourhood Search	2606905.2	2475053.0	71.75	29.97

Call 35 Vehicle 7				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Random Search	18114779.4	16248192.0	11.32	0.24
Local Search	9846322.7	8821467.0	51.85	0.33
Simulated Annealing	10438207.0	9545304.0	47.9	0.33
Simulated Annealing New Operators	12325463.9	10794120.0	41.09	3.47
Adaptive Large Neighbourhood Search	5422108.1	5131637.0	71.99	79.92

Call 80 Vehicle 20				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Random Search	42211425.0	42211425.0	0.0	0.56
Local Search	20918229.2	19810961.0	53.07	0.81
Simulated Annealing	20235612.8	19259583.0	54.37	0.83
Simulated Annealing New Operators	24180668.5	23258470.0	44.9	16.67

Adaptive Large Neighbourhood Search	15011827.8	13418146.0	68.21	139.87
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Call 130 Vehicle 40				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Random Search	75446687.0	75446687.0	0.0	0.95
Local Search	33429275.1	32125570.0	57.42	1.45
Simulated Annealing	33219287.4	31618987.0	58.09	1.48
Simulated Annealing New Operators	35593256.8	34100207.0	54.8	37.26
Adaptive Large Neighbourhood Search	22125761.3	20695273.0	72.57	339.66

Best solutions found with Adaptive Large Neighbourhood Search

Best solution found for Call 7 Vehicle 3

[3, 3, 0, 7, 1, 7, 1, 0, 5, 5, 6, 6, 0, 2, 2, 4, 4]

Best solution found for Call 18 Vehicle 5

[4, 14, 4, 9, 14, 9, 0, 15, 15, 6, 17, 6, 17, 0, 11, 16, 11, 16, 10, 7, 10, 3, 7, 3, 0, 12, 12, 1, 8, 1, 8, 0, 18, 5, 18, 5, 2, 2, 0, 13, 13]

Best solution found for Call 35 Vehicle 7

[28, 28, 18, 29, 18, 29, 20, 20, 27, 27, 0, 23, 23, 30, 35, 30, 11, 35, 11, 0, 21, 21, 3, 3, 14, 14, 33, 33, 4, 4, 0, 25, 25, 16, 16, 22, 22, 15, 15, 26, 26, 0, 19, 7, 34, 5, 7, 5, 34, 19, 10, 24, 10, 1, 31, 24, 31, 1, 0, 6, 13, 17, 13, 17, 6, 2, 32, 32, 9, 9, 2, 0, 12, 12, 8, 8, 0]

Best solution found for Call 80 Vehicle 20

[79, 79, 51, 7, 7, 51, 0, 80, 80, 24, 5, 5, 24, 0, 20, 20, 13, 21, 21, 13, 43, 43, 0, 48, 48, 68, 28, 68, 28, 2, 2, 0, 50, 50, 61, 61, 31, 18, 38, 18, 31, 38, 0, 47, 47, 54, 39, 39, 54, 9, 9, 73, 73, 0, 36, 36, 71, 71, 35, 8, 8, 35, 0, 52, 52, 29, 29, 19, 6, 19, 6, 0, 53, 53, 30, 30, 75, 75, 0, 55, 72, 55, 27, 72, 27, 11, 11, 0, 4, 4, 23, 23, 58, 58, 0, 74, 37, 74, 37, 12, 12, 40, 40, 64, 64, 0, 49, 57, 49, 57, 56, 56, 0, 34, 26, 26, 34, 76, 1, 1, 76, 0, 69, 69, 16, 16, 17, 17, 10, 10, 0, 33, 33, 63, 63, 44, 44, 25, 25, 0, 46, 46, 65, 78, 65, 78, 0, 77, 77, 22, 22, 42, 41, 42, 41, 0, 32, 14, 32, 70, 14, 70, 15, 15, 0, 66, 67, 59, 66, 60, 59, 60, 67, 45, 45, 0, 62, 62, 3, 3]

Best solution found for Call 130 Vehicle 40

[114, 112, 112, 114, 75, 75, 0, 89, 89, 62, 62, 11, 11, 0, 17, 17, 52, 52, 78, 78, 0, 91, 91, 59, 59, 100, 100, 0, 7, 71, 7, 71, 93, 93, 10, 10, 0, 107, 107, 39, 39, 9, 9, 0, 90, 90, 80, 80, 5, 5, 106, 106, 0, 118, 118, 2, 2, 19, 19, 0, 82, 82, 109, 109, 124, 124, 0, 96, 96, 98, 20, 20, 98, 0, 58, 58, 28, 28, 41, 27, 27, 24, 41, 24, 0, 50, 50, 40, 36, 40, 36, 0, 61, 61, 13, 13, 0, 47, 47, 42, 81, 81, 42, 53, 53, 0, 73, 73, 35, 35, 113, 113, 0, 18, 18, 31, 130, 130, 31, 0, 120, 120, 122, 122, 119, 119, 4, 4, 0, 103, 103, 30, 30, 105, 105, 0, 65, 65, 68, 68, 54, 54, 70, 70, 0, 37, 34, 37, 34, 66, 66, 0, 76, 76, 60, 72, 67, 72, 67, 60, 0, 74, 129, 129, 74, 86, 86, 45, 45, 0, 43, 111, 43, 111, 8, 8, 0, 108, 97, 97,

127, 127, 108, 0, 123, 123, 1, 99, 99, 1, 0, 25, 25, 14, 23, 23, 14, 0, 26, 26, 87, 87, 125, 125, 0,
57, 48, 48, 117, 117, 57, 79, 79, 88, 88, 0, 83, 16, 16, 83, 0, 116, 92, 12, 12, 92, 116, 46, 46, 0,
33, 33, 63, 63, 15, 15, 0, 101, 101, 6, 51, 6, 51, 0, 21, 94, 94, 21, 3, 3, 0, 49, 38, 38, 49, 0, 64,
126, 126, 128, 128, 64, 0, 32, 32, 110, 29, 29, 110, 0, 77, 77, 69, 69, 95, 95, 85, 85, 0, 104, 102,
102, 104, 44, 44, 0, 84, 121, 84, 121, 56, 56, 0, 115, 115, 22, 55, 55, 22, 0]