

Final report INF273

Call 7 Vehicle 3				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Adaptive Large Neighbourhood Search	1476444.0	1476444.0	55.07	9.99

Call 18 Vehicle 5				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Adaptive Large Neighbourhood Search	2420645.0	2400016.0	72.61	29.97

Call 35 Vehicle 7				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Adaptive Large Neighbourhood Search	4880810.4	4625906.0	74.75	79.92

Call 80 Vehicle 20				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Adaptive Large Neighbourhood Search	12274850.5	11767870.0	72.12	139.86

Call 130 Vehicle 40				
	Average objective	Best objective	Improvement (%)	Running time (seconds)
Adaptive Large Neighbourhood Search	17735264.8	17551289.0	76.74	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, 4, 4, 2, 2]

Best solution found for Call 18 Vehicle 5

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

Best solution found for Call 35 Vehicle 7

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

Best solution found for Call 80 Vehicle 20

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

Best solution found for Call 130 Vehicle 40

[93, 35, 93, 35, 127, 127, 81, 129, 129, 81, 0, 50, 50, 122, 122, 62, 62, 5, 53, 5, 53, 10, 10, 0, 47, 47, 100, 100, 0, 111, 112, 112, 111, 0, 57, 37, 57, 37, 89, 89, 105, 105, 29, 11, 29, 11, 4, 4, 0, 120, 120, 52, 52, 20, 20, 70, 70, 0, 96, 102, 102, 96, 51, 51, 0, 98, 75, 98, 75, 0, 117, 117, 128, 130, 128, 130, 0, 58, 58, 74, 74, 67, 78, 67, 78, 0, 28, 28, 21, 21, 41, 106, 41, 106, 0, 33, 33, 61, 38, 38, 61, 0, 68, 68, 54, 42, 54, 42, 79, 79, 0, 7, 71, 71, 7, 2, 14, 2, 14, 0, 104, 104, 116, 60, 60, 116, 0, 64, 64, 13, 124, 13, 124, 113, 113, 0, 103, 103, 94, 94, 6, 24, 24, 6, 0, 91, 91, 80, 80, 0, 65, 72, 72, 65, 109, 1, 1, 109, 0, 107, 107, 39, 39, 27, 27, 23, 23, 0, 26, 97, 97, 26, 0, 16, 83, 16, 83, 31, 99, 31, 99, 0, 66, 119, 66, 119, 0, 77, 77, 69, 69, 22, 55, 22, 55, 45, 45, 0, 49, 49, 0, 101, 101, 125, 125, 88, 88, 0, 17, 126, 17, 126, 87, 87, 0, 84, 76, 84, 92, 76, 44, 44, 40, 92, 46, 40, 46, 0, 56, 56, 95, 95, 85, 85, 0, 59, 12, 12, 59, 0, 73, 114, 73, 114, 0, 121, 18, 121, 18, 0, 108, 115, 115, 110, 108, 110, 0, 25, 25, 86, 86, 0, 34, 30, 30, 34, 0, 118, 43, 118, 9, 43, 9, 3, 3, 0, 82, 82, 63, 63, 19, 36, 8, 8, 36, 19, 0, 48, 90, 48, 90, 0, 32, 32, 15, 15, 0, 123, 123, 0]