

## Results for Homberger\_200 instances (CVRP)

Keld Helsgaun, May 8, 2018

Instance	BKS	LKH-3	LKH-3 d	Gap (%)
C1_2_1.200.20	2704.57	2704.559	2704.57	0.00
C1_2_2.200.18	2917.89	2917.885	2917.89	0.00
C1_2_3.200.18	2707.35	2707.338	2707.35	0.00
C1_2_4.200.18	2643.31	2643.300	2643.31	0.00
C1_2_5.200.20	2702.05	2702.041	2702.05	0.00
C1_2_6.200.20	2701.04	2701.028	2701.04	0.00
C1_2_7.200.20	2701.04	2701.028	2701.04	0.00
C1_2_8.200.19	2775.48	2775.472	2775.48	0.00
C1_2_9.200.18	2687.83	2687.822	2687.83	0.00
C1_2_10.200.18	2643.51	2643.544	2643.55	0.00
C2_2_1.200.6	1931.44	1931.436	1931.44	0.00
C2_2_2.200.6	1863.16	1863.150	1863.16	0.00
C2_2_3.200.6	1775.08	1775.071	1775.08	0.00
C2_2_4.200.6	1703.43	1703.427	1703.43	0.00
C2_2_5.200.6	1878.85	1878.845	1878.85	0.00
C2_2_6.200.6	1857.35	1857.350	1857.35	0.00
C2_2_7.200.6	1849.46	1849.454	1849.46	0.00
C2_2_8.200.6	1820.53	1820.530	1820.53	0.00
C2_2_9.200.6	1830.05	1830.047	1830.05	0.00
C2_2_10.200.6	1806.58	1806.575	1806.58	0.00
R1_2_1.200.20	4784.11	4784.110	4784.11	0.00
R1_2_2.200.18	4039.86	4044.500	4044.51	0.12
R1_2_3.200.18	3381.96	3381.956	3381.96	0.00
R1_2_4.200.18	3057.81	3061.945	3061.95	0.14
R1_2_5.200.18	4107.86	4107.858	4107.86	0.00
R1_2_6.200.18	3583.14	3583.770	3583.77	0.02
R1_2_7.200.18	3150.11	3152.439	3152.45	0.07
R1_2_8.200.18	2951.99	2951.920	2951.99	0.00
R1_2_9.200.18	3760.58	3766.388	3766.39	0.15
R1_2_10.200.18	3301.18	3310.099	3310.11	0.27
R2_2_1.200.4	4483.16	4483.157	4483.16	0.00
R2_2_2.200.4	3621.20	3621.195	3621.20	0.00
R2_2_3.200.4	2880.62	2880.613	2880.62	0.00
R2_2_4.200.4	1981.29	1981.296	1981.30	0.00
R2_2_5.200.4	3366.79	3366.786	3366.79	0.00
R2_2_6.200.4	2913.03	2913.026	2913.03	0.00
R2_2_7.200.4	2451.14	2464.931	2464.93	0.56
R2_2_8.200.4	1849.87	1849.864	1849.87	0.00
R2_2_9.200.4	3092.04	3092.035	3092.04	0.00
R2_2_10.200.4	2654.97	2654.970	2654.97	0.00
RC1_2_1.200.18	3602.80	3602.800	3602.80	0.00

RC1_2_2.200.18	3249.05	3249.563	<i>3249.56</i>	<i>0.02</i>
RC1_2_3.200.18	3008.33	3008.325	3008.33	0.00
RC1_2_4.200.18	2851.68	2851.676	2851.68	0.00
RC1_2_5.200.18	3371.00	3377.212	<i>3377.22</i>	<i>0.18</i>
RC1_2_6.200.18	3324.80	3324.800	3324.80	0.00
RC1_2_7.200.18	3189.32	3190.419	<i>3190.42</i>	<i>0.03</i>
RC1_2_8.200.18	3083.93	3083.929	3083.93	0.00
RC1_2_9.200.18	3081.13	3102.251	<i>3102.25</i>	<i>0.69</i>
RC1_2_10.200.18	3000.30	3003.608	<i>3003.61</i>	<i>0.11</i>
RC2_2_1.200.6	3099.53	3099.530	3099.53	0.00
RC2_2_2.200.5	2825.24	2825.244	2825.24	0.00
RC2_2_3.200.4	2601.87	2601.876	2601.87	0.00
RC2_2_4.200.4	2038.56	2038.553	2038.56	0.00
RC2_2_5.200.4	2911.46	2911.454	2911.46	0.00
RC2_2_6.200.4	2873.12	2873.114	2873.12	0.00
RC2_2_7.200.4	2525.83	2525.820	2525.83	0.00
RC2_2_8.200.4	2292.53	2292.533	2292.53	0.00
RC2_2_9.200.4	2175.04	2175.039	2175.04	0.00
RC2_2_10.200.4	2015.61	2015.609	2015.61	0.00