

## Results for Kytojoki instances (CVRP)

Keld Helsgaun, May 8, 2018

Instance	$n$	$m$	BKS	LKH-3	LKH-3 d	Gap (%)
33	2400	10	75754.55	75743.790	<b>75743.77</b>	<b>-0.014</b>
34	3600	10	114579.08	114568.310	<b>114568.30</b>	<b>-0.009</b>
35	6000	10	192228.14	192217.370	<b>192217.35</b>	<b>-0.006</b>
36	7200	10	231052.66	231041.890	<b>231041.88</b>	<b>-0.005</b>
37	8400	10	269877.20	269866.430	<b>269866.41</b>	<b>-0.004</b>
38	9600	10	308702.92	308690.950	<b>308690.94</b>	<b>-0.004</b>
39	10800	10	347537.00	347516.668	<b>347516.66</b>	<b>-0.006</b>
40	12000	10	386350.77	386340.010	<b>386339.99</b>	<b>-0.003</b>
41	13200	10	425175.30	425165.728	<b>425165.72</b>	<b>-0.002</b>
42	14400	10	463999.83	463989.054	<b>463989.05</b>	<b>-0.002</b>
43	16800	10	541648.89	541638.110	<b>541638.10</b>	<b>-0.002</b>
44	20000	10	645180.95	645173.784	<b>645173.77</b>	<b>-0.001</b>
W	7798	16	4246802	<b>4125953</b>		<b>-2.846</b>
E	9156	17	4567080	<b>4468028</b>		<b>-2.169</b>
S	8454	15	3206350	<b>3030929</b>		<b>-5.471</b>
M	10217	17	3038828	<b>2963820</b>		<b>-2.468</b>
R3	3000	204	182808	<b>182766</b>		<b>-0.023</b>
R6	6000	406	347533	<b>347065</b>		<b>-0.135</b>
R9	9000	609	512054	<b>511460</b>		<b>-0.116</b>
R12	12000	812	673260	<b>672182</b>		<b>-0.160</b>