

## Results for Belgium instances (CVRP)

Keld Helsgaun, April 10, 2019

Instance	$n$	$m$	KGLS <sup>XXL</sup>	LKH-3	Gap (%)
L1	3000	203	194456	<b>194095</b>	<b>-0.186</b>
L2	4000	46	114817	<b>112998</b>	<b>-1.584</b>
A1	6000	343	481583	<b>480140</b>	<b>-0.300</b>
A2	7000	120	296055	<b>294940</b>	<b>-0.377</b>
G1	10000	485	473568	<b>472203</b>	<b>-0.288</b>
G2	11000	110	264512	<b>263506</b>	<b>-0.380</b>
B1	15000	512	507103	<b>505755</b>	<b>-0.266</b>
B2	16000	182	355779	<b>354789</b>	<b>-0.278</b>
F1	20000	684	7295447	<b>7279086</b>	<b>-0.224</b>
F2	30000	256	4504416	<b>4499188</b>	<b>-0.116</b>

The KGLS<sup>XXL</sup> upper bounds are taken from the paper

F. Arnold, M. Gendreau, K. Sörensen:

*Efficiently solving very large-scale routing problems.*

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