

## Results for Dumas instances (TSPTW)

Keld Helsgaun, November 19, 2017

Instance	BKS	LKH-3	Gap (%)
n20w20.001	378	378	0.00
n20w20.002	286	286	0.00
n20w20.003	394	394	0.00
n20w20.004	396	396	0.00
n20w20.005	352	352	0.00
n20w40.001	254	254	0.00
n20w40.002	333	333	0.00
n20w40.003	317	317	0.00
n20w40.004	388	388	0.00
n20w40.005	288	288	0.00
n20w60.001	335	335	0.00
n20w60.002	244	244	0.00
n20w60.003	352	352	0.00
n20w60.004	280	280	0.00
n20w60.005	338	338	0.00
n20w80.001	329	329	0.00
n20w80.002	338	338	0.00
n20w80.003	320	320	0.00
n20w80.004	304	304	0.00
n20w80.005	264	264	0.00
n20w100.001	237	237	0.00
n20w100.002	222	222	0.00
n20w100.003	310	310	0.00
n20w100.004	349	349	0.00
n20w100.005	258	258	0.00
n40w20.001	500	500	0.00
n40w20.002	552	552	0.00
n40w20.003	478	478	0.00
n40w20.004	404	404	0.00
n40w20.005	499	499	0.00
n40w40.001	465	465	0.00
n40w40.002	461	461	0.00
n40w40.003	474	474	0.00
n40w40.004	452	452	0.00
n40w40.005	453	453	0.00
n40w60.001	494	494	0.00
n40w60.002	470	470	0.00
n40w60.003	408	408	0.00
n40w60.004	382	382	0.00
n40w60.005	328	328	0.00
n40w80.001	395	395	0.00
n40w80.002	431	431	0.00

n40w80.003	412	412	0.00
n40w80.004	417	417	0.00
n40w80.005	344	344	0.00
n40w100.001	429	429	0.00
n40w100.002	358	358	0.00
n40w100.003	364	364	0.00
n40w100.004	357	357	0.00
n40w100.005	377	377	0.00
n60w20.001	551	551	0.00
n60w20.002	605	605	0.00
n60w20.003	533	533	0.00
n60w20.004	616	616	0.00
n60w20.005	603	603	0.00
n60w40.001	591	591	0.00
n60w40.002	621	621	0.00
n60w40.003	603	603	0.00
n60w40.004	597	597	0.00
n60w40.005	539	539	0.00
n60w60.001	609	609	0.00
n60w60.002	566	566	0.00
n60w60.003	485	485	0.00
n60w60.004	571	571	0.00
n60w60.005	569	569	0.00
n60w80.001	458	458	0.00
n60w80.002	498	498	0.00
n60w80.003	550	550	0.00
n60w80.004	566	566	0.00
n60w80.005	468	468	0.00
n60w100.001	515	515	0.00
n60w100.002	538	538	0.00
n60w100.003	560	560	0.00
n60w100.004	510	510	0.00
n60w100.005	451	451	0.00
n80w20.001	616	616	0.00
n80w20.002	737	737	0.00
n80w20.003	667	667	0.00
n80w20.004	615	615	0.00
n80w20.005	748	748	0.00
n80w40.001	606	606	0.00
n80w40.002	618	618	0.00
n80w40.003	674	674	0.00
n80w40.004	557	557	0.00
n80w40.005	695	695	0.00
n80w60.001	554	554	0.00
n80w60.002	633	633	0.00
n80w60.003	651	651	0.00
n80w60.004	619	619	0.00

n80w60.005	575	575	0.00
n80w80.001	624	624	0.00
n80w80.002	592	592	0.00
n80w80.003	589	589	0.00
n80w80.004	594	594	0.00
n80w80.005	570	570	0.00
n100w20.001	738	738	0.00
n100w20.002	715	715	0.00
n100w20.003	762	762	0.00
n100w20.004	799	799	0.00
n100w20.005	774	774	0.00
n100w40.001	770	770	0.00
n100w40.002	653	653	0.00
n100w40.003	736	736	0.00
n100w40.004	651	651	0.00
n100w40.005	699	699	0.00
n100w60.001	655	655	0.00
n100w60.002	659	659	0.00
n100w60.003	744	744	0.00
n100w60.004	764	764	0.00
n100w60.005	661	661	0.00
n150w20.001	925	925	0.00
n150w20.002	864	864	0.00
n150w20.003	834	834	0.00
n150w20.004	873	873	0.00
n150w20.005	846	846	0.00
n150w40.001	918	918	0.00
n150w40.002	941	941	0.00
n150w40.003	727	727	0.00
n150w40.004	764	764	0.00
n150w40.005	824	824	0.00
n150w60.001	859	859	0.00
n150w60.002	782	782	0.00
n150w60.003	793	793	0.00
n150w60.004	819	819	0.00
n150w60.005	840	840	0.00
n200w20.001	1019	1019	0.00
n200w20.002	972	972	0.00
n200w20.003	1050	1050	0.00
n200w20.004	984	984	0.00
n200w20.005	1020	1020	0.00
n200w40.001	1023	1023	0.00
n200w40.002	948	948	0.00
n200w40.003	933	933	0.00
n200w40.004	980	980	0.00
n200w40.005	1037	1037	0.00