

## Results for Langevin instances (TSPTW)

Keld Helsgaun, November 19, 2017

Instance	BKS	LKH-3	Gap (%)
N20ft301	661.6	661.6	0.00
N20ft302	684.2	684.2	0.00
N20ft303	746.4	746.4	0.00
N20ft304	817.0	817.0	0.00
N20ft305	716.5	716.5	0.00
N20ft306	727.8	727.8	0.00
N20ft307	691.8	691.8	0.00
N20ft308	788.2	788.2	0.00
N20ft309	730.7	730.7	0.00
N20ft310	683.0	683.0	0.00
N20ft401	660.8	660.8	0.00
N20ft402	684.2	684.2	0.00
N20ft403	746.4	746.4	0.00
N20ft404	817.0	817.0	0.00
N20ft405	716.5	716.5	0.00
N20ft406	727.8	727.8	0.00
N20ft407	691.8	691.8	0.00
N20ft408	757.3	757.3	0.00
N20ft409	730.7	730.7	0.00
N20ft410	683.0	683.0	0.00
N40ft201	1100.6	1100.6	0.00
N40ft202	1010.4	1010.4	0.00
N40ft203	876.8	876.8	0.00
N40ft204	885.8	885.8	0.00
N40ft205	940.9	940.9	0.00
N40ft206	1054.2	1054.2	0.00
N40ft207	867.5	867.5	0.00
N40ft208	1050.7	1050.7	0.00
N40ft209	1013.9	1013.9	0.00
N40ft210	1026.3	1026.3	0.00
N40ft401	1085.0	1085.0	0.00
N40ft402	995.6	995.6	0.00
N40ft403	845.8	845.8	0.00
N40ft404	868.0	868.0	0.00
N40ft405	936.5	936.5	0.00
N40ft406	969.1	969.1	0.00
N40ft407	831.2	831.2	0.00
N40ft408	1002.7	1002.7	0.00
N40ft409	1000.5	1000.5	0.00
N40ft410	983.8	983.8	0.00
N60ft201	1353.5	1353.5	0.00
N60ft202	1161.6	1161.6	0.00

N60ft203	1182.9	1182.9	0.00
N60ft204	1257.5	1257.5	0.00
N60ft205	1184.1	1184.1	0.00
N60ft206	1199.6	1199.6	0.00
N60ft207	1299.0	1299.0	0.00
N60ft208	1113.0	1113.0	0.00
N60ft209	1171.3	1171.3	0.00
N60ft210	1234.3	1234.3	0.00
N60ft301	1337.0	1337.0	0.00
N60ft302	1089.5	1089.5	0.00
N60ft303	1179.0	1179.0	0.00
N60ft304	1230.0	1230.0	0.00
N60ft305	1151.6	1151.6	0.00
N60ft306	1167.9	1167.9	0.00
N60ft307	1220.1	1220.1	0.00
N60ft308	1097.6	1097.6	0.00
N60ft309	1140.6	1140.6	0.00
N60ft310	1219.2	1219.2	0.00
N60ft401	1335.0	1335.0	0.00
N60ft402	1088.1	1088.1	0.00
N60ft403	1173.7	1173.7	0.00
N60ft404	1184.7	1184.7	0.00
N60ft405	1146.2	1146.2	0.00
N60ft406	1140.2	1140.2	0.00
N60ft407	1198.9	1198.9	0.00
N60ft408	1029.4	1029.4	0.00
N60ft409	1121.4	1121.4	0.00
N60ft410	1189.6	1189.6	0.00