

**Results for Cluster\_small instances (CTSP-d)**  
Keld Helsgaun, July 28, 2024

Instance	BKS	LKH	Time (s)	Gap (%)
swiss42-C-1-0-a	1273	1273	0.00	0.00
swiss42-C-3-0-a	1347	1347	0.00	0.00
swiss42-C-3-0-b	1505	1505	0.00	0.00
swiss42-C-3-0-c	1467	1467	0.02	0.00
swiss42-C-3-1-a	1301	1301	0.01	0.00
swiss42-C-3-1-b	1344	1344	0.01	0.00
swiss42-C-3-1-c	1357	1357	0.00	0.00
swiss42-C-5-0-a	1561	1561	0.01	0.00
swiss42-C-5-0-b	1540	1540	0.01	0.00
swiss42-C-5-0-c	1532	1532	0.00	0.00
swiss42-C-5-1-a	1434	1434	0.00	0.00
swiss42-C-5-1-b	1469	1469	0.01	0.00
swiss42-C-5-1-c	1334	1334	0.00	0.00
swiss42-C-5-2-a	1343	1343	0.00	0.00
swiss42-C-5-2-b	1315	1315	0.00	0.00
swiss42-C-5-2-c	1321	1321	0.00	0.00
swiss42-C-5-3-a	1273	1273	0.00	0.00
swiss42-C-5-3-b	1273	1273	0.00	0.00
swiss42-C-5-3-c	1301	1301	0.00	0.00
berlin52-C-1-0.a	7542	7542	0.00	0.00
berlin52-C-3-0-a	8144	8144	0.01	0.00
berlin52-C-3-0-b	8016	8016	0.00	0.00
berlin52-C-3-0-c	9085	9085	0.00	0.00
berlin52-C-3-1-a	7952	7952	0.02	0.00
berlin52-C-3-1-b	7596	7596	0.00	0.00
berlin52-C-3-1-c	7984	7984	0.00	0.00
berlin52-C-5-0-a	9430	9430	0.02	0.00
berlin52-C-5-0-b	8669	8669	0.01	0.00
berlin52-C-5-0-c	9651	9651	0.05	0.00
berlin52-C-5-1-a	8811	8811	0.04	0.00
berlin52-C-5-1-b	7948	7948	0.02	0.00
berlin52-C-5-1-c	8509	8509	0.00	0.00
berlin52-C-5-2-a	8811	8811	0.02	0.00
berlin52-C-5-2-b	7948	7948	0.01	0.00
berlin52-C-5-2-c	8509	8509	0.03	0.00
berlin52-C-5-3-a	7907	7907	0.02	0.00
berlin52-C-5-3-b	7614	7614	0.00	0.00
berlin52-C-5-3-c	7631	7631	0.00	0.00