	10% CS								
Dataset	PCCC	PCCC-N2-S	PCCC-N5-S	PCCC-N2-S-RD	COPKM	CSC	DILS	LCC	KMEANS
n500-k2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	101	8
n500-k5	**0**	**0**	**0**	**0**	–	227	2	11	89
n500–k10	**0**	2	**0**	**0**	**0**	121	5	19	18
n500-k20	**0**	**0**	**0**	**0**	**0**	63	2	18	29
n500-k50	**0**	**0**	**0**	**0**	**0**	15	1	2	17
n500-k100	**0**	**0**	**0**	**0**	**0**	9	**0**	1	11
n1000-k2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	783	21
n1000-k5	**0**	**0**	**0**	**0**	**0**	520	123	83	107
n1000-k10	**0**	**0**	**0**	**0**	–	220	114	99	116
n1000-k20	**0**	2	**0**	**0**	–	119	52	108	108
n1000-k50	**0**	**0**	**0**	**0**	**0**	46	18	19	70
n1000-k100	**0**	**0**	**0**	**0**	**0**	13	8	7	39
n2000-k2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	164
n2000-k5	**0**	**0**	**0**	**0**	**0**	1,522	1,943	128	1,126
n2000-k10	**0**	226	**0**	**0**	–	467	946	712	400
n2000-k20	**0**	77	3	**0**	–	324	454	519	465
n2000-k50	**0**	2	**0**	**0**	**0**	144	169	126	263
n2000-k100	**0**	1	**0**	**0**	**0**	38	92	49	159
n5000-k2	**0**	**0**	**0**	**0**	–	**0**	18,162	–	484
n5000-k5	**0**	**0**	**0**	**0**	–	10,146	17,502	–	2,634
n5000-k10	**0**	804	**0**	**0**	–	4,678	9,479	–	2,205
n5000-k20	**0**	1,133	**0**	**0**	–	1,678	4,865	–	2,884
n5000-k50	**0**	190	28	2	–	820	1,937	1,666	1,503
n5000-k100	**0**	50	**0**	2	**0**	433	952	632	1,035
Mean	**0**	104	1	**0**	–	900	2,368	–	581

Table W92: Average number of cannot-link constraint violations of the versions of the PCCC algorithm and the four state-of-the-art algorithms (COPKM, CSC, DILS, LCC) for the constraint sets of size 10% CS. The lowest values are stated in bold. The column KMEANS reports the average number of cannot-link constraint violations obtained with the k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 1,800 seconds.