	5% CS								
Dataset	PCCC	PCCC-N2-S	PCCC-N5-S	PCCC-N2-S-RD	COPKM	CSC	DILS	LCC	KMEANS
n500-k2	**0**	**0**	**0**	**0**	–	147	**0**	**0**	2
n500-k5	**0**	**0**	**0**	**0**	**0**	174	**0**	3	16
n500–k10	**0**	**0**	**0**	**0**	**0**	173	**0**	**0**	3
n500-k20	**0**	**0**	**0**	**0**	**0**	122	**0**	**0**	6
n500-k50	**0**	**0**	**0**	**0**	**0**	88	**0**	**0**	3
n500-k100	**0**	**0**	**0**	**0**	**0**	18	**0**	**0**	4
n1000-k2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	9
n1000-k5	**0**	**0**	**0**	**0**	–	543	14	27	35
n1000-k10	**0**	1	**0**	**0**	**0**	314	10	19	35
n1000-k20	**0**	**0**	**0**	**0**	**0**	210	6	3	19
n1000-k50	**0**	**0**	**0**	**0**	**0**	98	5	2	21
n1000-k100	**0**	**0**	**0**	**0**	**0**	36	**0**	–	11
n2000-k2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	446	46
n2000-k5	**0**	**0**	**0**	**0**	**0**	1,615	288	162	272
n2000-k10	**0**	**0**	**0**	**0**	**0**	853	152	43	98
n2000-k20	**0**	**0**	**0**	**0**	**0**	206	83	36	120
n2000-k50	**0**	**0**	**0**	**0**	**0**	87	36	8	69
n2000-k100	**0**	**0**	**0**	**0**	**0**	74	18	3	42
n5000-k2	**0**	**0**	**0**	**0**	–	**0**	4,082	302	113
n5000-k5	**0**	**0**	**0**	**0**	**0**	1,530	3,665	454	657
n5000-k10	**0**	**0**	**0**	**0**	–	1,593	1,974	1,974	568
n5000-k20	**0**	45	**0**	**0**	–	749	1,047	626	710
n5000-k50	**0**	**0**	**0**	**0**	**0**	258	426	147	371
n5000-k100	**0**	**0**	**0**	**0**	**0**	144	209	54	246
Mean	**0**	2	**0**	**0**	–	376	501	–	145

Table W91: 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 5% 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.