	15% 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**	**0**	14
n500-k5	**0**	**0**	**0**	**0**	**0**	143	11	26	186
n500–k10	**0**	13	**0**	**0**	–	120	32	7	38
n500-k20	**0**	6	**0**	**0**	**0**	50	8	39	70
n500-k50	**0**	**0**	**0**	**0**	**0**	17	3	14	32
n500-k100	**0**	**0**	**0**	**0**	**0**	4	4	4	27
n1000-k2	**0**	**0**	**0**	**0**	**0**	**0**	**0**	–	58
n1000-k5	**0**	**0**	**0**	**0**	**0**	884	311	17	255
n1000-k10	**0**	**0**	**0**	**0**	**0**	393	439	306	291
n1000-k20	**0**	35	**0**	**0**	–	161	155	266	265
n1000-k50	**0**	3	**0**	**0**	**0**	70	64	66	131
n1000-k100	**0**	**0**	**0**	**0**	**0**	20	28	30	88
n2000-k2	**0**	**0**	**0**	**0**	–	**0**	**0**	–	365
n2000-k5	**0**	**0**	**0**	**0**	**0**	3,376	5,011	**0**	2,533
n2000-k10	**0**	569	**0**	**0**	**0**	936	2,649	–	902
n2000-k20	**0**	372	**0**	**0**	**0**	464	1,306	1,614	1,052
n2000-k50	**0**	87	3	2	–	252	482	541	602
n2000-k100	**0**	6	**0**	**0**	**0**	100	231	201	370
n5000-k2	**0**	**0**	**0**	**0**	–	**0**	42,967	–	1,114
n5000-k5	**0**	**0**	**0**	**0**	–	22,594	41,599	–	5,916
n5000-k10	**0**	**0**	**0**	**0**	–	3,730	22,888	–	4,919
n5000-k20	**0**	1,784	**0**	**0**	**0**	1,968	11,733	–	6,475
n5000-k50	**0**	504	2	14	–	1,663	4,763	–	3,528
n5000-k100	**0**	514	32	84	–	916	2,308	2,280	2,213
Mean	**0**	162	2	4	–	1,578	5,708	–	1,310

Table W93: 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 15% 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.