

Dataset	10% CS		KMEANS
	PCCC	PCCC-N2-S	
n300-k10-s10	0.7	0.2	0.0
n300-k10-s20	1.4	0.4	0.0
n300-k10-s30	1.6	0.4	0.1
n300-k10-s40	2.0	0.5	0.1
n300-k10-s50	1.8	0.6	0.0
n300-k20-s10	2.0	0.3	0.1
n300-k20-s20	3.5	0.7	0.0
n300-k20-s30	3.8	0.8	0.1
n300-k20-s40	3.2	0.4	0.1
n300-k20-s50	3.6	0.4	0.1
n300-k50-s10	5.6	0.2	0.1
n300-k50-s20	6.2	0.5	0.1
n300-k50-s30	6.3	0.6	0.0
n300-k50-s40	5.6	0.4	0.1
n300-k50-s50	9.2	0.5	0.1
Sum	56.4	6.9	0.9

Table W66: Average running times (in seconds) of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 10% CS. The lowest values are stated in bold. The column KMEANS reports the average running time of the unconstrained k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 3,600 seconds.