

Dataset	45% CS		KMEANS	GT
	PCCC	PCCC-N2-S		
n300-k10-s10	5.0	5.0	4.9	5.0
n300-k10-s20	19.3	19.3	17.8	19.3
n300-k10-s30	41.5	41.5	33.9	41.5
n300-k10-s40	69.7	66.9	48.3	69.8
n300-k10-s50	101.3	87.7	58.1	102.0
n300-k20-s10	6.1	7.2	6.3	6.2
n300-k20-s20	39.6	23.4	16.3	24.0
n300-k20-s30	60.2	39.9	26.1	51.4
n300-k20-s40	93.4	54.2	31.4	85.6
n300-k20-s50	111.1	59.4	35.5	123.6
n300-k50-s10	5.0	4.8	3.3	3.9
n300-k50-s20	12.5	11.6	7.4	15.1
n300-k50-s30	16.0	16.4	9.2	32.6
n300-k50-s40	18.8	16.4	9.9	55.2
n300-k50-s50	21.1	19.6	10.8	81.1
Mean	41.4	31.5	21.3	47.7

Table W43: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 45% CS. Lower values indicate more coherent clusters. The lowest values are stated in bold. The column KMEANS reports the minimum inertia value obtained with the k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 3,600 seconds.