

Dataset	50% 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	41.3	33.9	41.5
n300-k10-s40	69.8	66.8	48.3	69.8
n300-k10-s50	102.0	89.5	58.1	102.0
n300-k20-s10	6.2	8.4	6.3	6.2
n300-k20-s20	23.7	24.2	16.3	24.0
n300-k20-s30	55.1	41.1	26.1	51.4
n300-k20-s40	146.9	53.4	31.4	85.6
n300-k20-s50	155.0	62.7	35.5	123.6
n300-k50-s10	4.4	4.7	3.3	3.9
n300-k50-s20	12.7	11.7	7.4	15.1
n300-k50-s30	17.8	16.0	9.2	32.6
n300-k50-s40	21.4	17.3	9.9	55.2
n300-k50-s50	23.9	20.6	10.8	81.1
Mean	47.0	32.1	21.3	47.7

Table W44: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 50% 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.