

Dataset	40% 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	41.3	41.3	33.9	41.5
n300-k10-s40	69.0	66.7	48.3	69.8
n300-k10-s50	100.4	85.6	58.1	102.0
n300-k20-s10	6.2	7.1	6.3	6.2
n300-k20-s20	31.5	24.0	16.3	24.0
n300-k20-s30	44.9	38.4	26.1	51.4
n300-k20-s40	73.1	52.0	31.4	85.6
n300-k20-s50	94.4	55.4	35.5	123.6
n300-k50-s10	4.1	4.1	3.3	3.9
n300-k50-s20	10.8	11.5	7.4	15.1
n300-k50-s30	15.5	14.3	9.2	32.6
n300-k50-s40	17.9	17.9	9.9	55.2
n300-k50-s50	19.2	18.2	10.8	81.1
Mean	36.8	30.7	21.3	47.7

Table W42: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 40% 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.