

Dataset	15% CS		KMEANS	GT
	PCCC	PCCC-N2-S		
n300-k10-s10	4.9	4.9	4.9	5.0
n300-k10-s20	18.3	18.3	17.8	19.3
n300-k10-s30	36.7	36.7	33.9	41.5
n300-k10-s40	55.2	55.3	48.3	69.8
n300-k10-s50	71.2	73.4	58.1	102.0
n300-k20-s10	6.6	6.6	6.3	6.2
n300-k20-s20	18.8	18.8	16.3	24.0
n300-k20-s30	27.6	28.0	26.1	51.4
n300-k20-s40	36.9	36.0	31.4	85.6
n300-k20-s50	38.3	38.3	35.5	123.6
n300-k50-s10	3.6	3.6	3.3	3.9
n300-k50-s20	7.9	7.8	7.4	15.1
n300-k50-s30	9.7	9.7	9.2	32.6
n300-k50-s40	10.9	10.9	9.9	55.2
n300-k50-s50	11.7	11.7	10.8	81.1
Mean	23.9	24.0	21.3	47.7

Table W51: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 15% 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.