

Dataset	30% CS		KMEANS	GT
	PCCC	PCCC-N2-S		
n300-k10-s10	4.9	4.9	4.9	5.0
n300-k10-s20	19.0	19.0	17.8	19.3
n300-k10-s30	40.4	41.5	33.9	41.5
n300-k10-s40	66.6	65.5	48.3	69.8
n300-k10-s50	93.0	89.1	58.1	102.0
n300-k20-s10	6.1	8.3	6.3	6.2
n300-k20-s20	24.5	22.6	16.3	24.0
n300-k20-s30	38.2	35.6	26.1	51.4
n300-k20-s40	49.9	46.3	31.4	85.6
n300-k20-s50	59.0	53.4	35.5	123.6
n300-k50-s10	3.7	3.9	3.3	3.9
n300-k50-s20	9.1	9.4	7.4	15.1
n300-k50-s30	11.7	11.9	9.2	32.6
n300-k50-s40	13.3	13.0	9.9	55.2
n300-k50-s50	15.2	15.9	10.8	81.1
Mean	30.3	29.3	21.3	47.7

Table W40: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 30% 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.