

Dataset	25% CS		KMEANS	GT
	PCCC	PCCC-N2-S		
n300-k10-s10	<b>5.0</b>	<b>5.0</b>	4.9	5.0
n300-k10-s20	<b>19.1</b>	<b>19.1</b>	17.8	19.3
n300-k10-s30	<b>40.1</b>	40.9	33.9	41.5
n300-k10-s40	64.5	<b>64.3</b>	48.3	69.8
n300-k10-s50	90.0	<b>83.3</b>	58.1	102.0
n300-k20-s10	8.3	<b>6.9</b>	6.3	6.2
n300-k20-s20	22.4	<b>21.6</b>	16.3	24.0
n300-k20-s30	<b>35.3</b>	35.4	26.1	51.4
n300-k20-s40	<b>45.0</b>	47.9	31.4	85.6
n300-k20-s50	<b>51.3</b>	52.4	35.5	123.6
n300-k50-s10	<b>3.9</b>	<b>3.9</b>	3.3	3.9
n300-k50-s20	9.0	<b>8.7</b>	7.4	15.1
n300-k50-s30	12.1	<b>11.9</b>	9.2	32.6
n300-k50-s40	<b>13.6</b>	14.0	9.9	55.2
n300-k50-s50	<b>14.1</b>	<b>14.1</b>	10.8	81.1
Mean	28.9	<b>28.6</b>	21.3	47.7

Table W59: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 25% 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.