

Dataset	20% CS						GT
	PCCC	PCCC-N2-S-RD	COPKM	CSC	DILS	LCC	
n1000-k10	<b>66.7</b>	<b>66.7</b>	<b>66.7</b>	988.0	1,283.5	69.0	67.0
n1000-k100	1,663.1	<b>28.2</b>	35.5	1,648.8	1,559.7	32.2	53.8
n1000-k2	<b>911.7</b>	<b>911.7</b>	<b>911.7</b>	<b>911.7</b>	<b>911.7</b>	–	911.7
n1000-k20	<b>80.5</b>	<b>80.5</b>	–	1,861.8	1,758.2	122.4	82.4
n1000-k5	<b>69.6</b>	<b>69.6</b>	<b>69.6</b>	87.5	541.8	<b>69.6</b>	69.6
n1000-k50	51.6	<b>47.9</b>	–	1,702.9	1,643.1	56.1	56.1
n2000-k10	<b>131.5</b>	<b>131.5</b>	<b>131.5</b>	374.3	3,611.9	<b>131.5</b>	131.5
n2000-k100	105.5	<b>85.0</b>	129.2	3,335.9	3,605.1	90.5	113.0
n2000-k2	<b>1,770.4</b>	<b>1,770.4</b>	–	<b>1,770.4</b>	<b>1,770.4</b>	–	1,770.4
n2000-k20	<b>162.7</b>	<b>162.7</b>	163.5	3,227.7	3,839.5	324.6	162.9
n2000-k5	<b>140.7</b>	<b>140.7</b>	<b>140.7</b>	179.6	2,574.0	–	140.7
n2000-k50	<b>108.7</b>	109.1	–	3,182.2	3,769.0	161.2	114.7
n5000-k10	<b>336.3</b>	<b>336.3</b>	–	1,065.5	9,906.4	–	336.3
n5000-k100	298.6	<b>280.0</b>	–	8,732.7	9,742.5	–	294.7
n5000-k2	<b>4,493.8</b>	<b>4,493.8</b>	–	<b>4,493.8</b>	7,662.3	–	4,493.8
n5000-k20	<b>414.5</b>	<b>414.5</b>	–	3,592.4	9,899.8	–	414.5
n5000-k5	<b>353.2</b>	<b>353.2</b>	–	<b>353.2</b>	9,753.7	–	353.2
n5000-k50	<b>291.2</b>	<b>291.2</b>	296.6	8,934.8	9,841.6	–	291.9
n500-k10	<b>33.5</b>	<b>33.5</b>	34.2	840.5	350.3	42.8	33.6
n500-k100	10.2	<b>9.9</b>	12.1	647.1	579.7	11.7	25.1
n500-k2	<b>449.7</b>	<b>449.7</b>	<b>449.7</b>	<b>449.7</b>	<b>449.7</b>	<b>449.7</b>	449.7
n500-k20	<b>38.6</b>	<b>38.6</b>	–	886.8	628.2	50.5	42.2
n500-k5	<b>34.4</b>	<b>34.4</b>	<b>34.4</b>	97.5	106.5	<b>34.4</b>	34.4
n500-k50	19.3	<b>18.9</b>	24.2	804.3	660.8	20.7	27.7
Mean	501.5	<b>431.6</b>	–	2,090.4	3,602.1	–	436.3

Table W84: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 20% 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.