

| 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 W56: 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.