

Dataset	0% CS					
	PCCC	PCCC-N2-S-RD	COPKM	CSC	DILS	LCC
n1000-k10	3.1	1.7	0.6	27.1	3,614.5	–
n1000-k100	30.1	2.2	18.3	34.1	3,617.5	–
n1000-k2	0.7	1.5	0.1	25.0	3,639.8	–
n1000-k20	9.0	2.3	1.7	31.5	3,618.3	–
n1000-k5	1.8	1.5	0.2	27.8	3,614.3	–
n1000-k50	19.0	2.4	5.7	32.1	3,614.9	–
n2000-k10	8.6	3.4	1.2	259.6	3,651.8	–
n2000-k100	81.9	4.7	39.9	271.6	3,631.1	–
n2000-k2	2.1	3.0	0.2	243.1	3,682.0	–
n2000-k20	31.6	6.5	3.8	262.5	3,609.1	–
n2000-k5	3.4	2.7	0.4	258.7	3,675.7	–
n2000-k50	49.2	5.1	11.9	268.8	3,663.2	–
n5000-k10	26.8	8.7	3.3	3,682.9	3,746.6	–
n5000-k100	315.4	12.7	105.8	3,609.3	3,731.3	–
n5000-k2	5.0	5.3	0.7	3,269.0	3,869.5	–
n5000-k20	78.0	13.3	9.8	3,633.0	3,685.8	–
n5000-k5	9.9	6.2	1.4	3,462.1	3,771.3	–
n5000-k50	207.4	15.0	41.3	3,499.3	3,718.3	–
n500-k10	1.5	0.8	0.3	3.2	2,414.0	–
n500-k100	14.7	0.9	8.7	4.2	2,307.5	–
n500-k2	0.5	0.7	0.1	2.7	2,718.1	–
n500-k20	3.1	0.8	0.6	3.0	2,484.1	–
n500-k5	1.1	0.9	0.1	2.9	2,459.8	–
n500-k50	7.8	0.9	2.6	11.0	2,313.2	–
Sum	911.5	103.1	258.5	22,924.5	80,851.8	86,400.0*

*Nan values (–) are replaced with 3,600 before computing the sum.

Table W95: Average running times (in seconds) of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 0% CS. The lowest values are stated in bold. The column KMEANS reports the average running time of the unconstrained k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 3,600 seconds.