Objects Dataset	Features	Clusters	5% CS										
			PCCC-N2-S	PCCC-N3-S	PCCC-N4-S	PCCC-N5-S	PCCC-N6-S	PCCC-N2-S-RD	COPKM	LCC	CSC	DILS	KMEA
Banan 5,300	2	2	0.3	0.3	0.2	0.2	0.3	0.3	-	-	4,386.9	4,283.3	
Lette20,000	16	26	127.5	484.1	318.6	345.1	758.0	640.3	_	_	. –	4,109.1	
Shutt 57,999	9	7	24.2	25.3	23.5	24.8	25.2	25.9	_	_	-	_	
CIFA <b>B</b> 0,000	3,072	10	22.1	23.5	68.9	71.2	99.1	22.3	-	-	-	-	1
CIFA <b>B</b> 0,000 100	3,072	100	715.6	800.5	646.9	664.9	1,171.0	2,893.6	-	-	-	-	8
MNIS710,000	784	10	28.0	28.0	28.1	36.5	92.5	27.4	-	_	_	-	
Sum			917.6	1,361.7	1,086.2	1,142.8	2,146.0	3,609.8	21,600.0*	21,600.0*	22,386.9*	22,792.4*	10

<sup>\*</sup>Nan values (-) are replaced with 3,600 before computing the sum.

Table W119: Average running times (in seconds) of the versions of the PCCC algorithm and the four state-of-the-art algorithms (COPKM, CSC, DILS, LCC) for the constraint sets of size 5% CS. Higher values indicate better separated clusters. 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 1,800 seconds.