

Dataset	35% CS		KMEANS
	PCCC	PCCC-N2-S	
n300-k10-s10	8.1	<b>0.4</b>	0.1
n300-k10-s20	27.6	<b>0.9</b>	0.1
n300-k10-s30	35.6	<b>1.4</b>	0.0
n300-k10-s40	38.4	<b>3.2</b>	0.0
n300-k10-s50	1,225.3	<b>11.5</b>	0.1
n300-k20-s10	202.6	<b>0.7</b>	0.0
n300-k20-s20	1,812.0	<b>3.5</b>	0.1
n300-k20-s30	3,481.7	<b>3.6</b>	0.0
n300-k20-s40	3,605.3	<b>8.8</b>	0.1
n300-k20-s50	3,605.8	<b>12.2</b>	0.1
n300-k50-s10	98.6	<b>0.7</b>	0.0
n300-k50-s20	137.0	<b>0.7</b>	0.1
n300-k50-s30	128.2	<b>0.6</b>	0.1
n300-k50-s40	144.9	<b>0.9</b>	0.1
n300-k50-s50	134.8	<b>1.3</b>	0.1
Sum	14,685.7	<b>50.3</b>	1.0

Table W71: Average running times (in seconds) of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 35% 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.