

Dataset	35% CS	
	PCCC	PCCC-N2-S
n300-k10-s10	20.9	<b>1.7</b>
n300-k10-s20	38.6	<b>2.5</b>
n300-k10-s30	49.1	<b>2.3</b>
n300-k10-s40	110.7	<b>7.7</b>
n300-k10-s50	266.5	<b>7.9</b>
n300-k20-s10	393.9	<b>2.6</b>
n300-k20-s20	1,094.6	<b>3.4</b>
n300-k20-s30	2,754.2	<b>5.8</b>
n300-k20-s40	3,610.3	<b>7.6</b>
n300-k20-s50	3,612.5	<b>10.1</b>
n300-k50-s10	187.1	<b>2.4</b>
n300-k50-s20	270.1	<b>2.7</b>
n300-k50-s30	274.5	<b>2.6</b>
n300-k50-s40	288.1	<b>2.5</b>
n300-k50-s50	278.4	<b>2.6</b>
Sum	13,249.5	<b>64.4</b>

Table W51: 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.