

Table S4: Summary of the results presented in Fig. 9.

Network	$LCA_s^a$	$LCA_f^b$	It. <sup>c</sup>	$\Delta T^d$	$\Delta NMI^e$
Amazon	27.1	2.9	6	1.28	0.156
DBLP	20.3	2.8	8	1.19	-0.016
YouTube	66.0	2.6	10	1.47	1.128

<sup>a</sup> Percentage of remaining assignable links for a *standard* use of the algorithm.

<sup>b</sup> Percentage of remaining assignable links after the cascading approach is applied.

<sup>c</sup> Number of applications of the cascading algorithm before the final state is reached.

<sup>d</sup> Relative increase in running time of the complete algorithm, averaged over 10 independent realizations, timed at the millisecond precision.

<sup>e</sup> Relative change in normalized mutual information.