Table 1: The running time of enumeration maximal k-plexes in appended instances

Graph ($|V|$, $|E|$)	k	#k-plexes	The running time (s)	
			FaPlexen	GP
C125-9 (125, 6963)	2	\	*[1]	*
	3	\	*	*
	4	\	*	*
	5	\	*	*
keller4 (171, 9435)	2	\	*	*
	3	\	*	*
	4	\	*	*
	5	\	*	*
MANN-a45 (1035, 533115)	2	\	*	*
	3	\	*	*
	4	\	*	*
	5	\	*	*
p_hat300-1 (300, 10933)	2	3064826	25.16	217.69
	3	2359945024	1475.05	15108.96
	4	\	*	*
	5	\	*	*

[1] Did not finish in 6 hours (21600s)

Table 2: The running time of community detection in appended instances

Graph ($|V|$, $|E|$)	k	q	#k-plexes	The running time (s)	
				CommuPlex	D2K
Jazz (200, 5488)	2	12	2990	0.03	0.04
		20	2	0	0
		30	1	0	0
	3	12	93969	1.27	1.39
		20	2	0	0
		30	1	0	0
	4	12	2745953	53.10	42.63
		20	479	0.01	0.33
		30	1	0	0
Wiki-Vote (7115, 103689)	2	12	2919931	124.62	235.34
		20	52	3.96	24.46
		30	0	1.35	0.01
	3	12	458153392	20251.07	*[1]
		20	156727	404.4	2763.13
		30	0	0.99	0.03
	4	12	\	*	*

Dataset					
		20	\	*	*
		30	0	3.28	1.85
CA-GrQc (5242, 28980)	2	12	166	0.01	0.01
		20	118	0	0
		30	9	0	0
	3	12	9654	0.04	0.03
		20	1568	0.01	0.01
		30	7	0	0
	4	12	128932	0.62	0.52
		20	9167	0.05	0.03
		30	6724	0.05	0.03
Caida (26475, 106762)	2	12	5336	0.13	0.01
		20	0	0.01	0.01
		30	0	0	0
	3	12	281251	5.93	20.58
		20	0	0.01	0.01
		30	0	0	0
	4	12	15939885	339.45	1122.48
		20	331	0.07	0.51
		30	0	0	0
Slashdot090221 (82144, 549202)	2	12	27208777	675.16	683.20
		20	11411028	200.38	312.72
		30	453	8.77	24.13
	3	12	\	*	*
		20	\	*	*
		30	1679468	253.36	3076.96
	4	12	\	*	*
		20	\	*	*
		30	\	*	*

[1] Did not finish in 6 hours (21600s)

[2] Both CommuPlex and D2K ran out of memory in in-2004, it-2004, uk-2005 and as-skitter.