





























































































	orig	inal	prep	eprocessed			orig	inal	preprocess		sed
instance	V	E	 V 	E	low	instance	V	E	V	E	low
alarm	37	65	0	0	4	oesoca+	67	208	14	75	
barley	48	126	26	78	4	oesoca	39	67	0	0	
boblo	221	328	0	0	3	oesoca42	42	72	0	0	
diabetes	413	819	116	276	4	oow-bas	27	54	0	0	
link	724	1738	308	1158	4	oow-solo	40	87	27	63	
mildew	35	80	0	0	4	oow-trad	33	72	23	54	
munin1	189	366	66	188	4	pignet2	3032	7264	1002	3730	
munin2	1003	1662	165	451	4	pigs	441	806	48	137	
munin3	1044	1745	96	313	4	ship-ship	50	114	24	65	
munin4	1041	1843	215	642	4	vsd	38	62	0	0	
munin-kgo	1066	1730	0	0	5	water	32	123	22	96	
						wilson	21	27	0	0	















56								Tre	eewidth prep	rocessing
	Result	ts f	or	bro	bab	oilis	tic n	etw	orks	5
-		si	ze		separato	rs		outpu	ıt	
					almost-					
	instance	V	E	clique	clique	size 3	# graphs	# cliques	# To Do	low
	barley-pp	26	78	0	7	0	8	7	1	5
	diabetes-pp	116	276	0	85	0	86	84	2	4
	link-pp	308	1158	0	0	0	1	0	1	4
	munin1-pp	66	188	0	2	0	3	2	1	4
	munin2-pp	165	451	6	13	4	24	12	12	4
	munin3-pp	96	313	2	2	2	7	4	3	4
	munin4-pp	215	642	3	4	0	8	2	6	4
	oesoca+-pp	14	75	0	0	0	1	0	1	9
	oow-trad-pp	23	54	0	0	1	2	1	1	4
	oow-solo-pp	27	63	0	0	1	2	0	2	4
	pathfinder-pp	12	43	0	5	0	6	6	0	6
	pignet2-pp	1002	3730	0	0	0	1	0	1	4
	pigs-pp	48	137	0	1	0	2	1	1	5
NVHHU/	ship-ship-pp	24	65	0	0	0	1	0	1	4
	water-pp	22	96	0	1	0	2	1	1	6
Arie Koster				<u> </u>						







































76									Tre	eewidth Exact
	Results	re	eal	ist	ic in	sta	nce	S		
	minors	of lir	nk-pp	selec	ted; ۵۵۵	6)=9, tw(G)=13			
	ĺ				treev	width	fil	l-in	Com	bined
	instance	V	E	fi(G)	CPU(s)	#nodes	CPU(s)	#nodes	CPU(s)	#nodes
	link-pp-minor-020	20	125	29	23.42	9680	0.86	2	4.88	1307
	link-pp-minor-021	21	130	35	29.91	7238	1.29	9	13.15	2767
	link-pp-minor-022	22	137	38	37.82	5858	1.33	1	7.88	349
	link-pp-minor-023	23	144	40	128.21	16131	2.25	2	15.22	986
	link-pp-minor-024	24	151	43	399.61	27125	1.93	2	103.50	8568
	link-pp-minor-025	25	156	48	1875.24	94369	3.61	3	133.67	6861
		CPU time (s)	20	21	2 2	24 25		min z I	$\frac{1}{\frac{1}{2}n(n-1)}$	$\int_{-m+1}^{\infty} f$















84	Result	s T	ree l	Deco	mpositi	on	TD-based Algorithm
	Instance	LP	QP	CSP	Tree Decomp	osition	Upper
					Preprocessing	DP	Bound
	CELAR06	5	-	3389	0	3389	3389
	CELAR07	5	-	-	0	-	343592
	CELAR08	-	-	-	0	-	262
	CELAR09	-	14969	-	11391	15571	15571
	CELAR10	-	31204	-	31516	Solved	31516
	GRAPH05	-	-	-	221	Solved	221
	GRAPH06	-	-	-	4112	4123	4123
	GRAPH07	-	-	-	4324	Solved	4324
	GRAPH11	-	-	-	2553	-	3080
	GRAPH12	-	-	-	11496	11827	11827
	GRAPH13	-	-	-	8676	-	10110
ZUB Arie Koster							







