CRACK

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CRACK:
The tests were performed using CRACK version 1.0 beta 18. CRACK is a description logic system with both TBox and ABox, using the logic $\mathcal{ALCRIFO}$. CRACK reasoning procedures are based on a sound and complete tableaux algorithm [1].

Availability:
Source code (CLTL2 compliant common lisp) is available on request. An online working version of CRACK is available at `http://`

Table 3: Tableaux'98 KB Tests

	Incoherent			**Coherent**		
Test	**Size**	**Concepts**	**Correct**	**Size**	**Concepts**	**Correct**
k_branch	1	73	Y	1	71	Y
k_d4	3	114	Y	2	104	Y
k_dum	3	82	Y	21	650	Y
k_grz	1	110	Y	21	1,349	Y
k_lin	21	934	Y	9	939	Y
k_path	1	33	Y	1	91	Y
k_ph	2	28	Y	3	73	Y
k_poly	3	164	Y	2	102	Y
k_t4p	1	77	Y	0	0	Y

Table 4: Realistic Tbox Classification Tests

Test	**Concepts**	**Time (s)**	**Correct**
ckb-roles	79	1.19	Y
datamont-roles	120	1.18	N
espr-roles	142	0.00	Y
fss-roles	132	0.37	Y
wines	267	2.37	N
wisber-roles	140	1.63	N
galen1	2,728	>10000.00	?
galen2	3,926	124.75	N

Table 5: Tableaux'98 Abox Realisation Tests

Test	**Conc's**	**Ind's**	**Time (s)**	**Correct**
k_branch_n	71	27	0.02	Y
k_d4_n	48	24	0.01	Y
k_dum_n	71	14	0.01	Y
k_grz_n	109	19	0.00	Y
k_lin_n	10	10	0.01	Y
k_path_n	91	174	>1,000.00	?
k_ph_n	7	8	0.01	Y
k_poly_n	66	128	>1,000.00	?
k_t4p_n	72	0	>1,000.00	?