

$F_1 - F_9$	Refer to Table 2 in .
F_{10}	$\forall c, d, a, r : \text{subNom}(c, a) \wedge \text{subNom}(d, a) \wedge \text{rsup}(c, r, d) \rightarrow \text{sub}(c, d)$
F_{11}	$\forall c, d, a, r, b : \text{subNom}(c, a) \wedge \text{subNom}(d, a) \wedge \text{rsupNom}(b, r, d) \rightarrow \text{sub}(c, d)$
F_{12}	$\forall c, d, f, o, v : \text{sub}(c, d) \wedge \text{rsupEx}(d, f, o, v) \Rightarrow \text{rsupEx}(c, f, o, v)$
F_{13}	$\forall c, d, f, o, v : \text{rsupEx}(c, f, o_1, v_1) \wedge \text{rsubEx}(f, o_2, v_2, d) \wedge \text{eval}(o_1, v_1, o_2, v_2) \Rightarrow \text{sub}(c, d)$