

#	release	delay	final	reaction	invariant	Semantics	Compare	Condition
1	rel ₁	del ₁	fin ₁	rea ₁	inv ₁	$\mathbf{G}((\text{inv}_1 \wedge (\neg \text{fin}_1 \mathbf{W} \text{rel}_1) \vee \mathbf{F}(\text{fin}_1 \wedge (\text{del}_1 \mathbf{U}(\text{rel}_1 \vee \text{rea}_1))))))$	inconsistent	$\text{inv}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_2 \bullet \text{inv}_1$
							inconsistent	$\text{rel}_2 \bullet \text{inv}_1$ $\text{fin}_2 \bullet \text{inv}_1$
							inconsistent	$\text{rel}_2 \bullet \text{inv}_1$ $\text{rea}_2 \bullet \text{inv}_1$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{fin}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{rea}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							consistent	$\text{inv}_1 \rightarrow \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{del}_1 \rightarrow \text{del}_2$ $\text{rea}_1 \rightarrow \text{rea}_2$ $\text{rel}_1 \rightarrow \text{rel}_2$
							unknown	other cases
2	true	del ₁	fin ₁	rea ₁	inv ₁	TRUE	unknown	all cases
3	false	del ₁	fin ₁	rea ₁	inv ₁	$\mathbf{G}(\text{trig}_1 \rightarrow (\text{inv}_1 \mathbf{U}(\text{fin}_1 \wedge (\text{inv}_1 \wedge \text{del}_1 \mathbf{U} \text{rea}_1))))$	inconsistent	$\text{inv}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{fin}_1 \wedge \text{rea}_1))$
							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_2 \bullet \text{inv}_1$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{fin}_1 \wedge \text{rea}_1))$
							Inconsistent	$\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$
							Inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$
							consistent	$\text{inv}_1 \rightarrow \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{del}_1 \rightarrow \text{del}_2$ $\text{rea}_1 \rightarrow \text{rea}_2$
							unknown	other cases

4	<i>false</i>	<i>true</i>	fin_1	rea_1	inv_1	$G(trig_1 \rightarrow (inv_1 \mathbf{U} (fin_1 \wedge (inv_1 \mathbf{U} rea_1))))$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (fin_1 \wedge rea_1))$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (fin_1 \wedge rea_1))$
							Inconsistent	$fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$
							Inconsistent	$rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$
							consistent	$inv_1 \rightarrow inv_2$ $fin_1 \rightarrow fin_2$ $rea_1 \rightarrow rea_2$
							unknown	other cases
5	<i>false</i>	<i>false</i>	fin_1	rea_1	inv_1	$G(trig_1 \rightarrow (inv_1 \mathbf{U} (fin_1 \wedge rea_1)))$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (fin_1 \wedge rea_1))$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee (fin_2 \wedge rea_2)))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (fin_1 \wedge rea_1))$
							Inconsistent	$fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$
							Inconsistent	$rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$
							consistent	$inv_1 \rightarrow inv_2$ $fin_1 \rightarrow fin_2$ $rea_1 \rightarrow rea_2$
							unknown	other cases
6	<i>false</i>	del_1	<i>true</i>	rea_1	inv_1	$G(trig_1 \rightarrow (inv_1 \wedge del_1 \mathbf{U} rea_1))$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rea_1)$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rea_1)$
							Inconsistent	$fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$

							Inconsistent	$rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$
							consistent	$inv_1 \rightarrow inv_2$ $fin_1 \rightarrow fin_2$ $del_1 \rightarrow del_2$ $rea_1 \rightarrow rea_2$
							unknown	other cases
7	false	true	true	rea_1	inv_1	$G(trig_1 \rightarrow (inv_1 \text{ U } rea_1))$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rea_1)$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rea_1)$
							Inconsistent	$fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$
							Inconsistent	$rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$
							consistent	$inv_1 \rightarrow inv_2$ $fin_1 \rightarrow fin_2$ $del_1 \rightarrow del_2$ $rea_1 \rightarrow rea_2$
							unknown	other cases
8	false	false	true	rea_1	inv_1	$G(trig_1 \rightarrow rea_1)$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rea_1)$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rea_1)$
							Inconsistent	$fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$
							Inconsistent	$rea_1 \bullet inv_2$
							consistent	$inv_1 \rightarrow inv_2$ $fin_1 \rightarrow fin_2$ $del_1 \rightarrow del_2$ $rea_1 \rightarrow rea_2$
							unknown	other cases
9	false	del_1	fin_1	true	inv_1	$G(trig_1 \rightarrow inv_1 \text{ U } fin_1)$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow fin_1)$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee (fin_2 \wedge rea_2)))$

							inconsistent	$\text{trig}_2 \bullet \text{inv}_1$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow \text{fin}_1)$
							Inconsistent	$\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$
							consistent	$\text{inv}_1 \rightarrow \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{del}_1 \rightarrow \text{del}_2$ $\text{rea}_1 \rightarrow \text{rea}_2$
							unknown	other cases
10	<i>false</i>	del_1	<i>true</i>	<i>true</i>	inv_1	TRUE	unknown	all cases
11							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{Area}_2)$
							Inconsistent	$\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$
	<i>false</i>	del_1	fin_1	rea_1	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \mathbf{F}(\text{fin}_1 \wedge \text{del}_1 \mathbf{U} \text{rea}_1))$	Inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$
							consistent	$\text{inv}_1 \rightarrow \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{del}_1 \rightarrow \text{del}_2$ $\text{rea}_1 \rightarrow \text{rea}_2$
							unknown	other cases
12							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{Area}_2)$
	<i>false</i>	<i>true</i>	fin_1	rea_1	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \mathbf{F}(\text{fin}_1 \wedge \mathbf{F} \text{rea}_1))$	Inconsistent	$\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$
							Inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$
							unknown	other cases
13							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{Area}_2)$
	<i>false</i>	<i>false</i>	fin_1	rea_1	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \mathbf{F}(\text{fin}_1 \wedge \text{rea}_1))$	Inconsistent	$\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$
							Inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$
							unknown	other cases
14							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{Area}_2)$
	<i>false</i>	del_1	<i>true</i>	rea_1	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \text{del}_1 \mathbf{U} \text{rea}_1)$	Inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$
							unknown	other cases
15							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{Area}_2)$
	<i>false</i>	<i>true</i>	<i>true</i>	rea_1	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \mathbf{F} \text{rea}_1)$	Inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$
							unknown	other cases
16							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{Area}_2)$
	<i>false</i>	<i>false</i>	<i>true</i>	rea_1	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \text{rea}_1)$	Inconsistent	$\text{rea}_1 \bullet \text{inv}_2$
							unknown	other cases
17	<i>false</i>	del_1 <i>true false</i>	fin_1	<i>true</i>	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \mathbf{F} \text{fin}_1)$	inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{Area}_2)$

							Inconsistent	$fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$
							unknown	other cases
18	<i>false</i>	any	<i>true</i>	<i>true</i>	<i>true</i>	TRUE	unknown	all cases
19	<i>false</i>	any	<i>false</i>	<i>true</i>	<i>true</i>	FALSE	inconsistent	all cases
20	<i>false</i>	any	any	any	<i>false</i>	FALSE	inconsistent	all cases
21							inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rel_1)$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
	rel_1	any	<i>false</i>	any	inv_1	$G(trig_1 \rightarrow inv_1 \mathbf{W} rel_1)$	inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rel_1)$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$
							unknown	other cases
22	<i>true</i>	any	<i>false</i>	any	any	TRUE	unknown	all cases
23							inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
	<i>false</i>	any	<i>false</i>	any	inv_1	$G(trig_1 \rightarrow inv_1)$	inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$
							unknown	other cases
24	<i>false</i>	any	<i>false</i>	any	<i>true</i>	TRUE	unknown	all cases
25	<i>false</i>	any	<i>false</i>	any	<i>false</i>	FALSE	inconsistent	all cases
26	rel_1	any	<i>false</i>	any	<i>true</i>	$G(trig_1 \rightarrow true \mathbf{W} rel_1) = TRUE$	unknown	all cases
27	rel_1	any	<i>false</i>	any	<i>false</i>	$G(trig_1 \rightarrow false \mathbf{W} rel_1) = FALSE$	inconsistent	all cases
28	rel_1	del_1	<i>true</i>	rea_1	inv_1	$G(trig_1 \rightarrow ((inv_1 \wedge del_1) \mathbf{U} (rel_1 \vee rea_1)))$	inconsistent	$inv_1 \bullet \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_1 \vee rea_1))$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_1 \bullet inv_2$

								$\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_2 \bullet \text{inv}_1$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_1 \vee \text{rea}_1))$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\neg(\text{fin}_2 \rightarrow (\text{rel}_2 \vee \text{rea}_2))$
							inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$ $\neg(\text{fin}_2 \rightarrow (\text{rel}_2 \vee \text{rea}_2))$
							unknown	other cases
29							inconsistent	$\text{inv}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_1 \vee \text{rea}_1))$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
	rel_1	true	true	rea_1	inv_1	$\mathbf{G}(\text{trig}_1 \rightarrow (\text{inv}_1 \mathbf{U} (\text{rel}_1 \vee \text{rea}_1)))$	inconsistent	$\text{trig}_2 \bullet \text{inv}_1$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_1 \vee \text{rea}_1))$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\neg(\text{fin}_2 \rightarrow (\text{rel}_2 \vee \text{rea}_2))$
							inconsistent	$\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$ $\neg(\text{fin}_2 \rightarrow (\text{rel}_2 \vee \text{rea}_2))$
							unknown	other cases
30							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
	rel_1	false	true	rea_1	any	$\mathbf{G}(\text{trig}_1 \rightarrow (\text{rel}_1 \vee \text{rea}_1))$	inconsistent	$\text{rel}_1 \bullet \text{inv}_2$
							inconsistent	$\text{rea}_1 \bullet \text{inv}_2$
							unknown	other cases
31	any	any	true	true	any	$\mathbf{G}(\text{trig}_1 \rightarrow ((\text{inv}_1 \wedge \text{del}_1) \mathbf{U} (\text{rel}_1 \vee \text{true}))) = \mathbf{TRUE}$	unknown	all cases
32	rel_1	del_1	true	false	inv_1	$\mathbf{G}(\text{trig}_1 \rightarrow ((\text{inv}_1 \wedge \text{del}_1) \mathbf{U} \text{rel}_1))$	inconsistent	$\text{inv}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow$

								rel_1 $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rel_1)$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $\neg(fin_2 \rightarrow (rel_2 \vee rea_2))$
							unknown	other cases
33	rel_1	false	true	false	any	$G(trig_1 \rightarrow ((inv_1 \wedge \text{false}) \vee rel_1)) = \text{FALSE}$	inconsistent	all cases
34								$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rel_1)$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
	rel_1	true	true	false	inv_1	$G(trig_1 \rightarrow (inv_1 \vee rel_1))$	inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rel_1)$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $\neg(fin_2 \rightarrow (rel_2 \vee rea_2))$
							unknown	other cases
35	rel_1	any	true	any	false	$G(trig_1 \rightarrow ((\text{false} \wedge del_1) \vee (rel_1 \vee rea_1))) = \text{FALSE}$	inconsistent	all cases
36							inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge rea_2)$
	rel_1	del_1	true	rea_1	true	$G(trig_1 \rightarrow (del_1 \vee (rel_1 \vee rea_1)))$	inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $\neg(fin_2 \rightarrow (rel_2 \vee rea_2))$
							inconsistent	$rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$ $\neg(fin_2 \rightarrow$

								$(rel_2 \vee rea_2))$
							unknown	other cases
37							inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge rea_2)$
	rel_1	true	true	rea_1	true	$G(trig_1 \rightarrow F(rel_1 \vee rea_1))$	inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $\neg(fin_2 \rightarrow (rel_2 \vee rea_2))$
							inconsistent	$rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$ $\neg(fin_2 \rightarrow (rel_2 \vee rea_2))$
							unknown	other cases
38							inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge rea_2)$
	rel_1	false	true	rea_1	true	$G(trig_1 \rightarrow rel_1 \vee rea_1)$	inconsistent	$rel_1 \bullet inv_2$
							inconsistent	$rea_1 \bullet inv_2$
							unknown	other cases
39	rel_1	any	true	true	true	$G(trig_1 \rightarrow (del_1 \mathbf{U} rel_1 \vee true))) = \mathbf{TRUE}$	unknown	all cases
40							inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge rea_2)$
	rel_1	del_1	true	false	true	$G(trig_1 \rightarrow (del_1 \mathbf{U} rel_1))$	inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $\neg(fin_2 \rightarrow (rel_2 \vee rea_2))$
							unknown	other cases
41							inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge rea_2)$
	rel_1	true	true	false	true	$G(trig_1 \rightarrow F rel_1)$	inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $\neg(fin_2 \rightarrow (rel_2 \vee rea_2))$
							unknown	other cases
42							inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge rea_2)$
	rel_1	false	true	false	true	$G(trig_1 \rightarrow rel_1)$	inconsistent	$rel_1 \bullet inv_2$
							unknown	other cases
48							inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_1 \vee fin_1 \wedge rea_1))$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
	$\underline{rel_1}$	true	$\underline{fin_1}$	rea_1	inv_1	$G(trig_1 \rightarrow ((inv_1 \wedge \neg fin_1 \mathbf{W} rel_1) \vee (inv_1 \mathbf{U} (fin_1 \wedge (inv_1 \mathbf{U} (rel_1 \vee rea_1))))))$	inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow$

								$(rel_1 \vee fin_1 \wedge area_1)$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$ $\neg((rel_1 \vee rea_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							consistent	$inv_1 \rightarrow inv_2$ $fin_1 \rightarrow fin_2$ $del_1 \rightarrow del_2$ $rea_1 \rightarrow rea_2$ $rel_1 \rightarrow rel_2$
							unknown	other cases
49	<u>rel₁</u>	true	<u>fin₁</u>	rea ₁	true	$G(trig_1 \rightarrow ((\neg fin_1 \vee rel_1) \vee F(fin_1 \wedge F(rel_1 \vee rea_1))))$	inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge area_2)$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$ $\neg((rel_1 \vee rea_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							unknown	other cases
50	<u>rel₁</u>	true	<u>fin₁</u>	rea ₁	false	$G(trig_1 \rightarrow (rel_1 \vee (fin_1 \wedge rea_1)))$	inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$

								$rea_1 \bullet inv_2$ $\neg((rel_1 \vee rea_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							unknown	other cases
51	<u>rel₁</u>	true	<u>fin₁</u>	true	inv ₁	$G(trig_1 \rightarrow ((inv_1 \wedge \neg fin_1 \mathbf{W} rel_1) \vee (inv_1 \mathbf{U} fin_1)))$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_1 \vee fin_1))$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$trig_2 \bullet inv_1$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow (rel_1 \vee fin_1))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							unknown	other cases
52	<u>rel₁</u>	true	<u>fin₁</u>	true	true	$G(trig_1 \rightarrow (\neg fin_1 \mathbf{W} rel_1) \vee \mathbf{F} fin_1))$	inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge rea_2)$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							unknown	other cases
53	<u>rel₁</u>	true	<u>fin₁</u>	true	false	$G(trig_1 \rightarrow (rel_1 \vee fin_1))$	inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge rea_2))$
							unknown	other cases
54	<u>rel₁</u>	true	<u>fin₁</u>	false	inv ₁	$G(trig_1 \rightarrow (inv_1 \wedge \neg fin_1 \mathbf{W} rel_1))$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rel_1)$

								$\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_2 \bullet \text{inv}_1$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow \text{rel}_1)$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{fin}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							unknown	other cases
55							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
	<u>rel₁</u>	<i>true</i>	<u>fin₁</u>	<i>false</i>	<i>false</i>	$\mathbf{G}(\text{trig}_1 \rightarrow \text{rel}_1)$	inconsistent	$\text{rel}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{rel}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							unknown	other cases
56							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2)$
	<u>rel₁</u>	<i>true</i>	<u>fin₁</u>	<i>false</i>	<i>true</i>	$\mathbf{G}(\text{trig}_1 \rightarrow (\neg \text{fin}_1 \mathbf{W} \text{rel}_1))$	inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{fin}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							unknown	other cases
57							inconsistent	$\text{inv}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_1 \vee \text{fin}_1 \wedge \text{rea}_1))$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
	<u>rel₁</u>	<i>false</i>	<u>fin₁</u>	rea_1	inv_1	$\mathbf{G}(\text{trig}_1 \rightarrow ((\text{inv}_1 \wedge \neg \text{fin}_1 \mathbf{W} \text{rel}_1) \vee (\text{inv}_1 \mathbf{U}(\text{fin}_1 \wedge (\text{rel}_1 \vee \text{rea}_1))))))$	inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_2 \bullet \text{inv}_1$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_1 \vee \text{fin}_1 \wedge \text{rea}_1))$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$

								$fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$ $\neg((rel_1 \vee rea_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							unknown	other cases
58							inconsistent	$trig_1 \bullet inv_2$ $\neg(rel_2 \vee fin_2 \wedge area_2)$
	<u>rel₁</u>	<i>false</i>	<u>fin₁</u>	rea ₁	<i>true</i>	$G(trig_1 \rightarrow (\neg fin_1 \vee Wrel_1) \vee F(fin_1 \wedge (rel_1 \vee rea_1)))$	inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$ $\neg((rel_1 \vee rea_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							unknown	other cases
59							inconsistent	$trig_1 \bullet inv_2$ $\neg((trig_2 \vee inv_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
	<u>rel₁</u>	<i>false</i>	<u>fin₁</u>	rea ₁	<i>false</i>	$G(trig_1 \rightarrow (rel_1 \vee (fin_1 \wedge rea_1)))$	inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $fin_1 \rightarrow fin_2$ $fin_1 \bullet inv_2$ $\neg((rel_1 \vee fin_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							inconsistent	$rel_1 \rightarrow fin_2$ $rel_1 \bullet inv_2$ $rea_1 \rightarrow fin_2$ $rea_1 \bullet inv_2$ $\neg((rel_1 \vee rea_1 \vee fin_2) \rightarrow (rel_2 \vee fin_2 \wedge area_2))$
							unknown	other cases
60	<u>rel₁</u>	<i>false</i>	<u>fin₁</u>	<i>true</i>	any	TRUE	unknown	all cases
61	<u>rel₁</u>	<i>false</i>	<u>fin₁</u>	<i>false</i>	inv ₁	$G(trig_1 \rightarrow ((inv_1 \wedge \neg fin_1 \vee Wrel_1) \vee (inv_1 \vee U(fin_1 \wedge rel_1))))$	inconsistent	$inv_1 \bullet inv_2$ $\neg((trig_2 \vee inv_1 \vee inv_2) \rightarrow rel_1)$

								$\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{trig}_2 \bullet \text{inv}_1$ $\neg((\text{trig}_2 \vee \text{inv}_1 \vee \text{inv}_2) \rightarrow \text{rel}_1)$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{fin}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							unknown	other cases
62	<u>rel₁</u>	<u>del₁</u>	<u>fin₁</u>	rea ₁	true	$\mathbf{G}(\text{trig}_1 \rightarrow (\neg \text{fin}_1 \mathbf{W} \text{rel}_1) \vee (\mathbf{F}(\text{fin}_1 \wedge (\text{del}_1 \mathbf{U}(\text{rel}_1 \vee \text{rea}_1))))))$	inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg(\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2)$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{fin}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{rea}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							unknown	other cases
63	<u>rel₁</u>	<u>del₁</u>	<u>fin₁</u>	rea ₁	false	$\mathbf{G}(\text{trig}_1 \rightarrow (\text{rel}_1 \vee \text{fin}_1 \wedge \text{rea}_1))$	inconsistent	$\text{trig}_1 \bullet \text{inv}_2$ $\neg((\text{trig}_2 \vee \text{inv}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{fin}_1 \rightarrow \text{fin}_2$ $\text{fin}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{fin}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$
							inconsistent	$\text{rel}_1 \rightarrow \text{fin}_2$ $\text{rel}_1 \bullet \text{inv}_2$ $\text{rea}_1 \rightarrow \text{fin}_2$ $\text{rea}_1 \bullet \text{inv}_2$ $\neg((\text{rel}_1 \vee \text{rea}_1 \vee \text{fin}_2) \rightarrow (\text{rel}_2 \vee \text{fin}_2 \wedge \text{rea}_2))$

[illegible]