

Exemple 1

Problème : $a \approx b \wedge a \approx c \wedge f(a, c) \not\approx f(b, a)$

initialisation	$\{a\}, \{b\}, \{c\}, \{f(a, c)\}, \{f(b, a)\}$
$a \approx b$	$\{a, b\}, \{c\}, \{f(a, c)\}, \{f(b, a)\}$
$a \approx c$	$\{a, b, c\}, \{f(a, c)\}, \{f(b, a)\}$
congruence $f(a, c)$ et $f(b, a)$	$\{a, b, c\}, \{f(a, c), f(b, a)\}$

Résultat : **unsat** car $\text{class}(f(a, c)) = \text{class}(f(b, a))$