category3_vulnerable-selfcomp-param.imi

Generated by IMITATOR 2.10.4 (build 2477)
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Clocks	Parameters	Discrete	Initial
cl_1 cl_2 abs_clock	x_1 t_1 secret_1 x_2 t_2 secret_2 epsilon abs_ptime n_power3	flag_1 flag_2	$n\_power3 \geq 0$ & $abs\_ptime \geq 0$ & $epsilon \geq 0$ & $t\_2 \geq 0$ & $t\_1 \geq 0$ & $cl\_2 = 0$ & $cl\_1 = 0$ & $abs\_clock = 0$

pta_1

l1 | $epsilon \geq cl\_1$

$epsilon \geq cl\_1$
setupserver_1
$cl\_1:=0$

l2 | $epsilon \geq cl\_1$

$epsilon \geq cl\_1$
readx_1
$cl\_1:=0$

l3 | $epsilon \geq cl\_1$

$epsilon \geq cl\_1$ & $0 > x\_1$ $cl\_1:=0$ → final1 | True

$x\_1 \geq 0$ & $epsilon \geq cl\_1$ readt_1 $cl\_1:=0$

l4 | $epsilon \geq cl\_1$

$flag\_1 = 0$ & $epsilon \geq cl\_1$ & $secret\_1 \geq x\_1$ $cl\_1:=0$ flag_1:=1

$x\_1 > secret\_1$ & $epsilon \geq cl\_1$ $cl\_1:=0$

hidden1 | $epsilon \geq cl\_1$

hidden2 | $epsilon \geq cl\_1$

$epsilon \geq cl\_1$ & $t\_1 = 1$ $cl\_1:=0$ → l5 | True

$epsilon \geq cl\_1$ & $t\_1 = 2$ $cl\_1:=0$ → l6 | True

$t\_1 > 2$ & $epsilon \geq cl\_1$ $cl\_1:=0$ → l7 | True

$epsilon \geq cl\_1$ & $t\_1 = 1$ $cl\_1:=0$ → l8 | True

$epsilon \geq cl\_1$ & $t\_1 = 2$ $cl\_1:=0$ → l9 | True

$t\_1 > 2$ & $epsilon \geq cl\_1$ $cl\_1:=0$ → l10 | True

$epsilon + cl\_1 \geq 1$ & $epsilon + 1 \geq cl\_1$ & $abs\_ptime = abs\_clock$ $cl\_1:=0$

$epsilon + cl\_1 \geq 32$ & $epsilon + 32 \geq cl\_1$ & $abs\_ptime = abs\_clock$ $cl\_1:=0$

$epsilon + n\_power3 \geq cl\_1$ & $epsilon + cl\_1 \geq n\_power3$ & $abs\_ptime = abs\_clock$ $cl\_1:=0$

$epsilon + cl\_1 \geq 1$ & $epsilon + 1 \geq cl\_1$ & $abs\_ptime = abs\_clock$ $cl\_1:=0$

$epsilon + cl\_1 \geq 1024$ & $epsilon + 1024 \geq cl\_1$ & $abs\_ptime = abs\_clock$ $cl\_1:=0$

$epsilon + n\_power3 \geq cl\_1$ & $epsilon + cl\_1 \geq n\_power3$ & $abs\_ptime = abs\_clock$ $cl\_1:=0$

final2 | True

pta_2

l1 | $epsilon \geq cl\_2$

$epsilon \geq cl\_2$
setupserver_2
$cl\_2:=0$

l2 | $epsilon \geq cl\_2$

$epsilon \geq cl\_2$
readx_2
$cl\_2:=0$

l3 | $epsilon \geq cl\_2$

$epsilon \geq cl\_2$ & $0 > x\_2$ $cl\_2:=0$ → final1 | True

$x\_2 \geq 0$ & $epsilon \geq cl\_2$ readt_2 $cl\_2:=0$

l4 | $epsilon \geq cl\_2$

$flag\_2 = 0$ & $epsilon \geq cl\_2$ & $secret\_2 \geq x\_2$ $cl\_2:=0$ flag_2:=1

$x\_2 > secret\_2$ & $epsilon \geq cl\_2$ $cl\_2:=0$

hidden1 | $epsilon \geq cl\_2$

hidden2 | $epsilon \geq cl\_2$

$epsilon \geq cl\_2$ & $t\_2 = 1$ $cl\_2:=0$ → l5 | True

$epsilon \geq cl\_2$ & $t\_2 = 2$ $cl\_2:=0$ → l6 | True

$t\_2 > 2$ & $epsilon \geq cl\_2$ $cl\_2:=0$ → l7 | True

$epsilon \geq cl\_2$ & $t\_2 = 1$ $cl\_2:=0$ → l8 | True

$epsilon \geq cl\_2$ & $t\_2 = 2$ $cl\_2:=0$ → l9 | True

$t\_2 > 2$ & $epsilon \geq cl\_2$ $cl\_2:=0$ → l10 | True

$epsilon + cl\_2 \geq 1$ & $epsilon + 1 \geq cl\_2$ & $abs\_ptime = abs\_clock$ $cl\_2:=0$

$epsilon + cl\_2 \geq 32$ & $epsilon + 32 \geq cl\_2$ & $abs\_ptime = abs\_clock$ $cl\_2:=0$

$epsilon + n\_power3 \geq cl\_2$ & $epsilon + cl\_2 \geq n\_power3$ & $abs\_ptime = abs\_clock$ $cl\_2:=0$

$epsilon + cl\_2 \geq 1$ & $epsilon + 1 \geq cl\_2$ & $abs\_ptime = abs\_clock$ $cl\_2:=0$

$epsilon + cl\_2 \geq 1024$ & $epsilon + 1024 \geq cl\_2$ & $abs\_ptime = abs\_clock$ $cl\_2:=0$

$epsilon + n\_power3 \geq cl\_2$ & $epsilon + cl\_2 \geq n\_power3$ & $abs\_ptime = abs\_clock$ $cl\_2:=0$

final2 | True