coffeeDrinker_toolpaper.imi

Generated by IMITATOR 3.1 "Cheese Artichoke"
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machine

researcher

| idle | True |

| researching | $7200 >= y1$ |

3 clocks	3 parameters	1 discrete	Initial
x y1 y2	p_add_sugar p_coffee p_button	nb_sugar	$7200 >= y1$ $\& \ y1 >= 0$ $\& \ y2 >= 0$ $\& \ p\_button > 0$ $\& \ p\_coffee > 0$ $\& \ p\_add\_sugar > 0$ $\& \ x = 0$

press
x := 0

$y1 >= 3600$
press
y1 := 0
y2 := 0
nb_sugar := 0

| add_sugar | $p\_add\_sugar >= x$ |

press

| add_sugar | $nb\_sugar <= 3 - 1$
$\& \ p\_button >= y1$
$\& \ 15 >= y2$ |

$15 > y2$
coffee
y1 := 0
y2 := 0

$nb\_sugar < 3 - 1$
$\& \ p\_button = y1$
press
y1 := 0
nb_sugar := nb_sugar + 1

p_add_sugar = x
cup
x := 0

x = 10
sleep

| preparing_coffee | $p\_coffee >= x$ |

press
x := 0

$nb\_sugar = 3 - 1$
$\& \ p\_button = y1$
press
nb_sugar := nb_sugar + 1

p_coffee = x
coffee
x := 0

$y2 = 15$ coffee

| wait_coffee | $15 >= y2$ |

| cdone | $10 >= x$ |

| mad | True | coffee

$y2 = 15$