

MACHINE

MTest >

VARIABLES

a >

INVARIANTS

inv1: $a \in \mathbb{N}$ not theorem >

inv2: $a \geq 0$ theorem >

EVENTS

INITIALISATION: not extended ordinary >

THEN

act1: $a := 0$ >

END

int: not extended ordinary >

WHERE

grd1: $a < 5$ not theorem >

THEN

act1: $a := a + 1$ >

END

END