
MODULE *SimpleProgram*

EXTENDS *Integers*
VARIABLES *i*, *pc*

Init \triangleq (*pc* = "start") \wedge (*i* = 0)

Pick \triangleq \wedge *pc* = "start"
 \wedge *i*' \in 0 .. 1000
 \wedge *pc*' = "middle"

Add1 \triangleq \wedge *pc* = "middle"
 \wedge *i*' = *i* + 1
 \wedge *pc*' = "done"

Next \triangleq *Pick* \vee *Add1*

\ * Modification History
\ * Last modified Sat *Sep* 14 18:01:15 *EDT* 2024 by *athan*
\ * Created Sat *Sep* 14 18:00:34 *EDT* 2024 by *athan*