-------------------------------- MODULE test --------------------------------

EXTENDS Integers, TLC

CONSTANTS min, max

VARIABLES x,y,z,pc

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Init == pc = "l1" /\ x= 10 /\ z= 2\*x /\ y = z+x

\\* initialisation

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skip == UNCHANGED <<pc , x, y , z>>

\\* Defini un skip qui change R

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al1l2 ==

/\ pc ="l1" /\ TRUE

/\ pc' = "l2"

/\ y' = z+x

/\ x' = x /\ z' = z

\\* Defini ta transition l1 -> l2

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Next == skip \/ al1l2

\\* Definis les possibilités de transition

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i ==

/\ pc \in {"l2", "l1"}

/\ pc = "l1" => x = 10 /\ z = 2\*x /\ y = z+x

/\ pc = "l2" => x = 10 /\ y = z + x

\\* Gere les etats atteignables

D == min..max

\\* Domaine atteignable

suretecorrectionpartielle == pc = "l2" => x = 10 /\ y = x + 2\*10

sureteabsancederreurs == z + x \in D /\ x \in D /\ y \in D /\z \in D

\\* Condition de verification

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