

EXTENDS *Naturals*

VARIABLES *knowledge*

vars $\triangleq \langle knowledge \rangle$

Learn $\triangleq knowledge' = knowledge + 1$

Fail $\triangleq knowledge' = knowledge + 1$

Share $\triangleq knowledge' = knowledge + 1$

Init $\triangleq knowledge = 0$

Next \triangleq
 $\vee Learn$
 $\vee Fail$
 $\vee Share$

Spec $\triangleq Init \wedge \Box[Next]_{vars} \wedge WF_{vars}(Next)$

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