---------------------- MODULE *Test* ----------------------

INSTANCE *Naturals*

INSTANCE *Sequences*

LOCAL INSTANCE *IOUtils*

LOCAL INSTANCE *Json*

CONSTANT *File*

CONSTANT *CurrState*

CONSTANT *SuccState*

$FormatOpts \triangleq$
 $[format \quad\mapsto$ "TXT",
  $charset \quad\mapsto$ "UTF-8",
  $openOptions \mapsto \langle$ "WRITE", "CREATE", "APPEND"$\rangle]$

$Delete \triangleq$
 $\wedge IOExec(\langle$ "rm", "-f", $File\rangle).exitValue = 0$

$Log(context) \triangleq$
 LET
  $currState \triangleq [k \in \{k \in \text{DOMAIN } CurrState : \text{DOMAIN } CurrState[k] \neq \{\}\} \mapsto CurrState[k]]$
  $succState \triangleq [k \in \{k \in \text{DOMAIN } SuccState : \text{DOMAIN } SuccState[k] \neq \{\}\} \mapsto SuccState[k]]$
  $record \triangleq [context \quad\mapsto context,$
       $currState \mapsto currState,$
       $succState \mapsto succState]$
 IN $Serialize(ToJsonObject(record) \circ$ "\n", $File, FormatOpts).exitValue = 0$

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