

INSTANCE *Naturals*

INSTANCE *Sequences*

LOCAL INSTANCE *IOUtils*

LOCAL INSTANCE *Json*

CONSTANT *File*

CONSTANT *State*

CONSTANT *Transitions*

*FormatOpts*  $\triangleq$   
     [*format*        $\mapsto$  "TXT",  
       *charset*      $\mapsto$  "UTF-8",  
       *openOptions*  $\mapsto$  <"WRITE", "CREATE", "APPEND">]

*Delete*  $\triangleq$   
      $\wedge$  *IOExec*(<"rm", "-f", *File*>).*exitValue* = 0

*Log(context)*  $\triangleq$   
     LET *record*  $\triangleq$  [*context*  $\mapsto$  *context*, *state*  $\mapsto$  *State*, *transitions*  $\mapsto$  *Transitions*]  
     IN   *Serialize*(*ToJsonObject*(*record*)  $\circ$  "\n", *File*, *FormatOpts*).*exitValue* = 0

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