
MODULE *GroupRecon*

EXTENDS *Integers*

VARIABLE *withdrawStream*, *clientAPIDatabase*, *groupReconConsumer*, *groupReconPayouts*

Init \triangleq *withdrawStream* = {1, 2, 3}

\wedge *clientAPIDatabase* = {}

\wedge *groupReconConsumer* = {}

\wedge *groupReconPayouts* = {}

TypeOK \triangleq *withdrawStream* \subseteq *Nat*

\wedge *clientAPIDatabase* \subseteq *withdrawStream*

\wedge *groupReconConsumer* \subseteq *withdrawStream*

\wedge *groupReconPayouts* \subseteq *groupReconConsumer*

\wedge *groupReconPayouts* \subseteq *clientAPIDatabase*

ClientAPIConsume \triangleq *clientAPIDatabase* \neq *withdrawStream*

\wedge *clientAPIDatabase'* = *clientAPIDatabase* \cup *withdrawStream*[0]

\wedge UNCHANGED \langle *withdrawStream*, *groupReconConsumer*, *groupReconPayouts* \rangle

GroupReconWithdrawConsume \triangleq *groupReconConsumer* \neq *withdrawStream*

\wedge *groupReconConsumer'* = *groupReconConsumer* \cup *withdrawStream*[0]

\wedge UNCHANGED \langle *withdrawStream*, *clientAPIDatabase*, *groupReconPayouts* \rangle

GeneratePayouts \triangleq *groupReconPayouts* \neq *groupReconConsumer*

\wedge *groupReconPayouts'* = *groupReconPayouts* \cup *groupReconConsumer*[0] {*p* \in *groupReconConsumer*

\wedge UNCHANGED \langle *withdrawStream*, *groupReconConsumer*, *clientAPIDatabase* \rangle

Next \triangleq *ClientAPIConsume*

\vee *GroupReconWithdrawConsume*

\vee *GeneratePayouts*

\ * Modification History

\ * Last modified Sat Aug 07 19:18:12 CEST 2021 by *rchaves*

\ * Created Sat Aug 07 18:53:17 CEST 2021 by *rchaves*