

CONTEXT c0

SETS

VENDINGMACHINE_SET

PRODUCT_SET

ValidCoin

CONSTANTS

ACCEPTED_COIN

NO_COIN

productInitAmount

ValueCoin

AXIOMS

axm2: $ValidCoin = \{NO_COIN, ACCEPTED_COIN\}$

ValueCoinType: $ValueCoin \in ValidCoin \rightarrow \mathbb{N}$

ProductInitAmountType: $productInitAmount \in \mathbb{N}$

END