

<p>An Event-B Specification of c1 Creation Date: 7 Sep 2010 @ 02:45:58 PM</p>
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**CONTEXT** c1

**EXTENDS** c0

**SETS**

Products

**CONSTANTS**

MILK\_COIN

PLAIN\_COIN

INIT\_AMOUNT\_MILK

INIT\_AMOUNT\_PLAIN

MILK

PLAIN

NONE

**AXIOMS**

**axm3**:  $ValidCoin = \{NO\_COIN, MILK\_COIN, PLAIN\_COIN\}$

**InitAmountMilkType**:  $INIT\_AMOUNT\_MILK \in \mathbb{N}$

**InitAmountPlainType**:  $INIT\_AMOUNT\_PLAIN \in \mathbb{N}$

**ProductValue**:  $Products = \{NONE, MILK, PLAIN\}$

**productInitAmountGluingAxiom**:  $productInitAmount = INIT\_AMOUNT\_MILK + INIT\_AMOUNT\_PLAIN$

**acceptedCoinGluingAxiom**:  $ACCEPTED\_COIN = MILK\_COIN \wedge ACCEPTED\_COIN =$   
 $PLAIN\_COIN$

**END**