Proposal for A Non-Numeric Currency

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0.0 Introduction

This paper introduces a simple concept to illustrate the conceptual possibility of a non-numeric currency system. The proposal herein is not to be confused with non-decimal currency systems.

Here, we relocate the concept of units of account into transactional operations.

1.0 Definitions

Currency defined:

      (1) A store of value.
      (2) A medium of exchange.
      (3) A unit of account.
      (4) An index of value.

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2.0 Sketch

1.0 Numbers are replaced with functions expressing transactions between participants.
2.0 Functions are time-indexed or asynchronous.
3.0 Functions are open (not yet executed with an unknown recipient) or they are closed.
4.0 Functions can be divided according to mereology or part-whole relations rather than arithmetic ones. A calculus exists for determining precisely which transactions "sum" to another.