## Objects: a collection of currencies. Marghiguest given two currencies V V morphisms between them are

**Definition** (Category **Curr**). The *category of currencies* **Curr** is specified by:

2. *Morphisms*: given two currencies X, Y, morphisms between them are currency exchangers  $E_{ab}^{X,Y}$  from X to Y.

3. Identity morphism: given a currency X, its identity morphism is the

currency exchanger E<sub>1,0</sub><sup>X,X</sup>. We also call such morphisms "trivial currency exchangers".
4. *Composition of morphisms*: the composition of morphisms is given by

the formula ??.