

0.1 Helper Morphisms

0.1.1 Diagonal and Twist Morphisms

In the definition and proofs (Especially of the the If cases), I make use of the morphisms twist and diagonal.

$$\tau_{A,B} : (A \times B) \rightarrow (B \times A) = \langle \pi_2, \pi_1 \rangle \tag{1}$$

$$\delta_A : A \rightarrow (A \times A) = \langle \text{Id}_A, \text{Id}_A \rangle \tag{2}$$

0.2 Denotations of Types

0.2.1 Denotation of Ground Types

0.2.2 Denotation of Polymorphic Types

0.2.3 Denotation of Computation Type

0.2.4 Denotation of Function Types

0.2.5 Denotation of Type Environments

0.2.6 Denotation of Value Terms

0.2.7 Denotation of Computation Terms