

Phase 11 c Function Type Arrows

Total(function)
 $X \rightarrow Y$

Partial(function)
 $\mathbb{N} \rightarrowtail \mathbb{N}$

Total(injection)
 $A \rightarrowtail B$

Partial(injection)
 $X \rightarrowtailtail Y$

Total(surjection)
 $A \twoheadrightarrow B$

Partial(surjection)
 $X \twoheadrightarrowtail Y$

Bijection
 $A \rightarrowtail B$

Higher(order)(function)(type)
 $\mathbb{N} \rightarrow \mathbb{N} \rightarrow \mathbb{N}$

Right(associative)(function)(types)
 $A \rightarrow (B \rightarrow C)$
 $X \rightarrow (Y \rightarrow \mathbb{Z})$

| $\text{square} : \mathbb{N} \rightarrow \mathbb{N}$ $\text{div} : \mathbb{N} \rightarrowtail \mathbb{N}$ $\text{bmap} : A \rightarrowtail B$