

Phase 11 c Function Type Arrows

Total(function)
 $X \rightarrow Y$

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

Total(injection)
 $AMap \rightarrowtail BMap$

Partial(injection)
 $X \rightarrowtail Y$

Total(surjection)
 $AMap \twoheadrightarrow BMap$

Partial(surjection)
 $X \twoheadrightarrow Y$

Bijection
 $AMap \rightleftarrows BMap$

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

Right(associative)(function)(types)
 $AMap \rightarrow (BMap \rightarrow C)$
 $X \rightarrow (Y \rightarrow Z)$

$[AMap, BMap]$

$|$ $square : \mathbb{N} \rightarrow \mathbb{N}$
 $pdiv : \mathbb{N} \rightarrowtail \mathbb{N}$
 $bmap : AMap \twoheadrightarrow BMap$