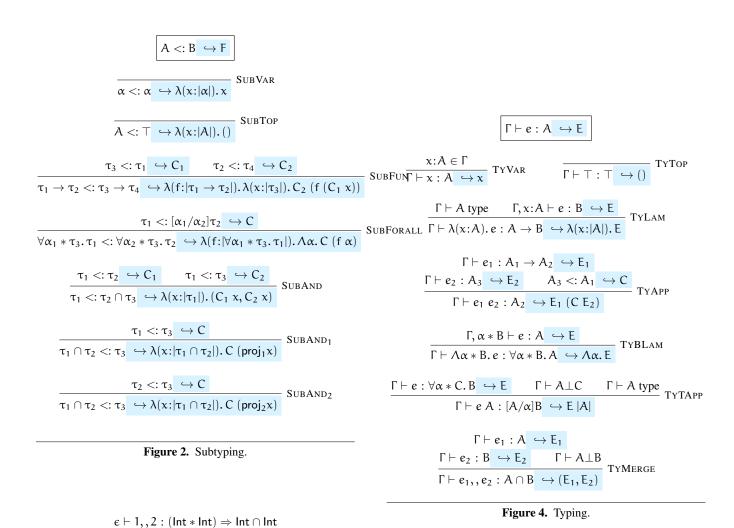
Atomic Types
$$T$$
 := $A \rightarrow B$ Function type Top type

Figure 1. Syntax.

Figure 3. Disjointness.



Definition 1. (Disjointness) Two sets S and T are *disjoint* if there does not exist an element x, such that $x \in S$ and $x \in T$.

Definition 2. (Disjointness) Two types A and B are *disjoint* if there does not exist an expression e, which is not a merge, such that $e \vdash e : A', e \vdash e : B', A' <: A$, and B' <: B.

Definition 3. (Disjointness) $A \perp B = \not\exists C.A <: C \land B <: C$

Two types A and B are disjoint if their least common supertype is $\top.$