

Towards dependent types

Possible issues:

- Distinct type variables may be *dependent* on one another!
 - ▶ $(a : \text{Type}) \rightarrow (x : a) \rightarrow x = x$
 - ▶ Can't always swap argument order!
 - ★ $(n : \text{Nat}) \rightarrow (- : \text{Fin } n) \rightarrow \text{Fin } (\text{S } n)$