Towards dependent types

Possible issues:

- Distinct type variables may be dependent on one another!
 - (a : Type) \rightarrow (x : a) \rightarrow x = x
 - Can't always swap argument order!

$$\star$$
 (n : Nat) \rightarrow ($_$: Fin n) \rightarrow Fin (S n)

- Functions in type signatures not always bijective
 - ▶ fromList : $(1 : List a) \rightarrow Vect (length l) a$
 - ▶ (l : List a) \rightarrow Vect (length l) a \succeq ? Vect 10 a
- Pervasive use of implicit arguments