

# Elaborating Type Providers

To elaborate

**%provide** ( $x : T$ ) **with**  $p$

1. Elaborate goal type  $T$  to  $\tau$ . Check that  $\tau : \text{Type}$ .
2. Elaborate  $p$  to  $\pi$ . Check that  $\pi : \text{IO}(\text{Provider } \tau)$ .
3. Execute  $\pi$ :
  - ▶ If `Provide  $y$` , then result is  $x : \tau ; x = y$ .