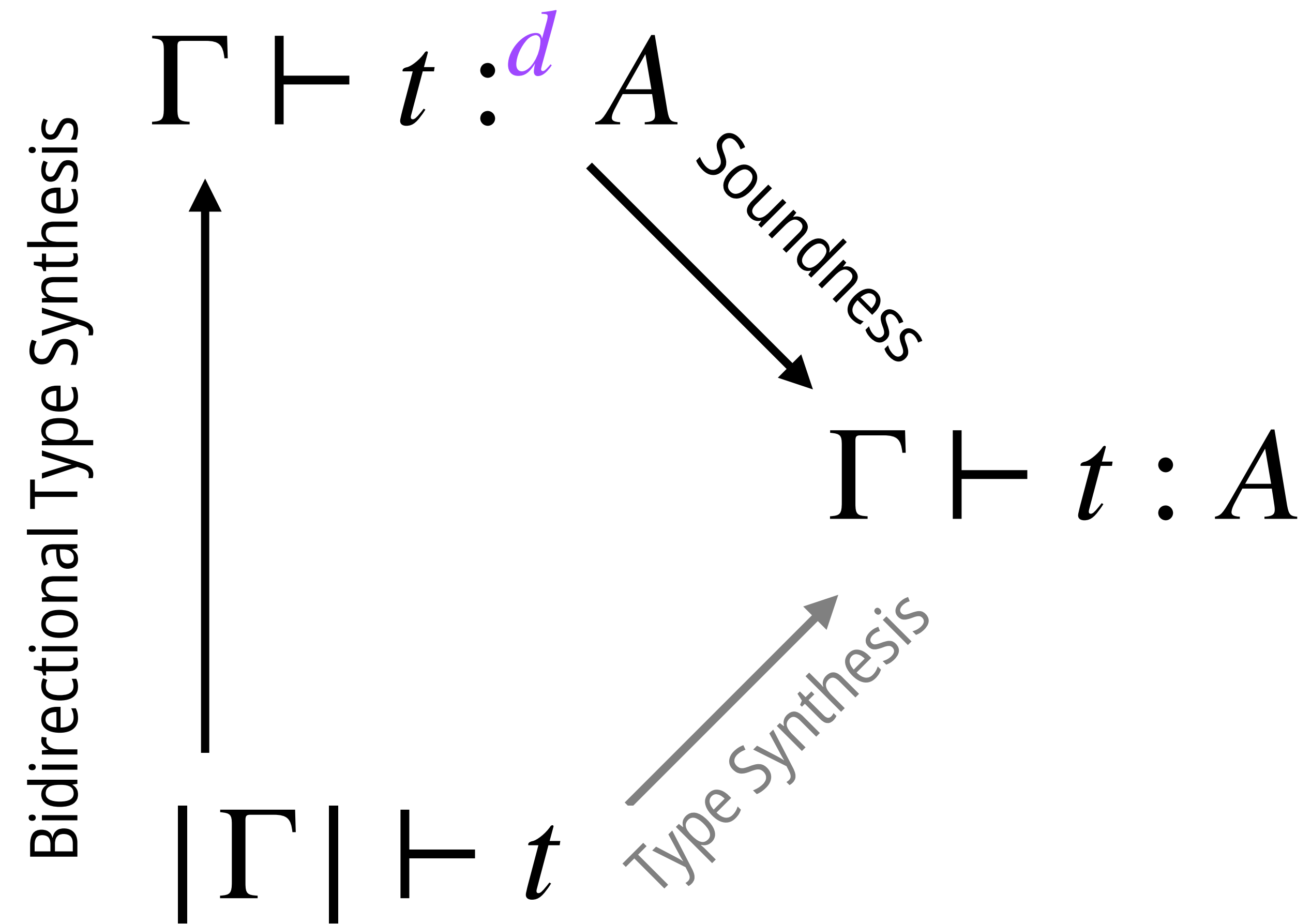


A Bird's-Eye View



Mode-Correctness of Bidirectional Typing

The type information flows without blocking

$$\frac{\Gamma, x : A \vdash t : \Leftarrow B}{\Gamma \vdash \lambda x. t : \Leftarrow A \supset B} \text{A}_{\text{BS}}^{\Leftarrow}$$

$$\frac{\Gamma \vdash t : \Rightarrow A \supset B \quad \Gamma \vdash u : \Leftarrow A}{\Gamma \vdash t u : \Rightarrow B} \text{A}_{\text{PP}}^{\Rightarrow}$$