

$$\mathit{lift}_{X,Y} : (X \rightarrow_{\mathbf{Pos}} Y) \longrightarrow (X \rightarrow_{\mathbf{Pos}} \mathbf{Int} Y)$$

$$f \mapsto \begin{cases} \mathit{lift}_{X,Y} f : X \longrightarrow \mathbf{Int} Y \\ x \mapsto [f(x), f(x)] \end{cases}$$