

Problem 0.1 (Solving Equations by Higher-Order-Unification)

10min

Let $\alpha := (\iota \rightarrow \iota) \rightarrow \iota \rightarrow \iota$, solve the equation below via higher-order unification.

$$\lambda X_{\iota \rightarrow \iota} Y_{\iota} X(Z_{\alpha} XY) = \lambda X_{\iota \rightarrow \iota} Y_{\iota} W_{\alpha} X(WXY)$$