

Homework 3: Typing and Evaluation

Programming Languages Concepts (CSCI 3030)

Submit a single PDF file of your solution set on D2L.

All questions must be in order.

All assignments not adhering to this will not be graded.

0. Derive $\emptyset \vdash (\text{fun } x.\text{if}(x, F, T))(T) : \mathbb{B}$
1. Derive $\emptyset \vdash (\text{fun } x.\text{if}(x, F, T))(T) \Downarrow F$
2. Define disjunction using a let-expression that names your definition `or` whose body is `or(T)(F)`. Then derive its type.