

(1) What rule do we need to finish Booleans?

_____ [Bool₂]

(2) What rule do we need for less than?

_____ [Less Than]

(3) What rule do we need for function *definition*?

_____ [Function Defn]
 $\Gamma \vdash (\text{define } (f \ x: T_1) \ e_1) : T_1 \rightarrow T_2$

(4) Draw the AST for: (not (< 5 7))

(5) Now associate a type with each node above.

(6) Now draw the typing derivation tree that produces those types.