Grammar

(Constructor arm)	$c_{\text{arm}} ::= c \mid c \ \texttt{of} \ A$
(Constructor declaration)	$c_{\text{dec}} ::= (\texttt{type} \ X = c_{\text{arm}} \mid ... \mid c_{\text{arm}})$
(Base types)	$A, B ::= \texttt{unit} \mid A_1 \oplus ... \oplus A_n \mid A_1 \otimes ... \otimes A_n \mid \mu X.A \mid X$
(Isos)	$T ::= A \leftrightarrow B \mid T_1 \to T_2$
(Values)	$v ::= () \mid x \mid c \ v \mid (v_1, ..., v_n)$
(Patterns)	$p ::= x \mid (p_1, ..., p_n)$
(Expressions)	$e ::= v \mid \texttt{let} \ p_1 = \omega \ p_2 \ \texttt{in} \ e$

Typing Rules - Terms

$$\frac{}{\Psi; \emptyset \vdash () : \texttt{unit}} \qquad \frac{}{\Psi; x : A \vdash x : A} \qquad \frac{\Psi; \Delta_1 \vdash t_1 : A_1 \quad ... \quad \Psi; \Delta_n \vdash t_n : A_n}{\Psi; \Delta \vdash (t_1, ..., t_n) : A_1 \otimes ... \otimes A_n}$$

$$\frac{\Psi \vdash_\omega \omega : A \leftrightarrow B \quad \Psi; \Delta \vdash t : A}{\Psi; \Delta \vdash \omega \ t : B}$$

$$\frac{\Psi; \Delta_1 \vdash t_1 : A_1 \otimes ... \otimes A_n \quad \Psi; \Delta_2 \vdash x_1 : A_1, ..., x_n : A_n \vdash t_2 : B}{\Psi; \Delta_1, \Delta_2 \vdash \texttt{let} \ (x_1, .., x_n) = t_1 \ \texttt{in} \ t_2 : B}$$

Typing Rules - Isos

$$\frac{}{\Psi; \phi : T \vdash () : \texttt{unit}} \qquad \frac{}{\Psi; x : A \vdash x : A}$$