$$
\begin{array}{rrcl}
& \delta & ::= & a_1, a_2, \ldots \\
& \nu & ::= & x_1, x_2, \ldots \\
(n \geq 0) & \Sigma^n & ::= & P_1^n, P_2^n, \ldots \\
(n \geq 0) & \Omega^n & ::= & F_1^n, F_2^n, \ldots \\
& \alpha & ::= & \nu \mid \Omega^n \ (n \geq 0) \\
& \kappa & ::= & \delta \mid \nu \mid \iota\nu\phi \\
(n \geq 1) & \Pi^n & ::= & \Sigma^n \mid \Omega^n \mid [\lambda\nu_1 \ldots \nu_n\ \phi^*] \\
& \Pi^0 & ::= & \Sigma^0 \mid \Omega^0 \mid [\lambda\ \phi^*] \mid \phi^* \\
& \phi^* & ::= & \Pi^n\kappa_1 \ldots \kappa_n\ (n \geq 1) \mid \Pi^0 \mid (\neg\phi^*) \mid (\phi^* \to \phi^*) \mid \forall\alpha\phi^* \mid \\
& & & (\ \phi^*) \mid (A\phi^*) \\
& \phi & ::= & \kappa_1\Pi^1 \mid \phi^* \mid (\neg\phi) \mid (\phi \to \phi) \mid \forall\alpha\phi \mid (\ \phi) \mid (A\phi) \\
& \tau & ::= & \kappa \mid \Pi^n\ (n \geq 0)
\end{array}
$$