```
::= a_1, a_2, \dots
                               ::= x_1, x_2, \dots
(n \ge 0) \Sigma^n ::= P_1^n, P_2^n, \dots
(n \ge 0) \Omega^n ::= F_1^n, F_2^n, \dots
                       \alpha ::= \nu \mid \Omega^n \ (n \geq 0)
                              := \delta \mid \nu \mid \imath \nu \varphi
(n \ge 1)
                \Pi^n ::= \Sigma^n \mid \Omega^n \mid [\lambda \nu_1 \dots \nu_n \varphi^*]
                    \Pi^0 ::= \Sigma^0 \mid \Omega^0 \mid [\lambda \varphi^*] \mid \varphi^*
                               ::= \Pi^n \kappa_1 \dots \kappa_n \ (n \ge 1) \mid \Pi^0 \mid (\neg \varphi^*) \mid (\varphi^* \to \varphi^*) \mid \forall \alpha \varphi^* \mid
                                            (\Box \varphi^*) \mid (\mathcal{A} \varphi^*)
                               ::= \kappa_1 \Pi^1 \mid \varphi^* \mid (\neg \varphi) \mid (\varphi \rightarrow \varphi) \mid \forall \alpha \varphi \mid (\Box \varphi) \mid (\mathcal{A}\varphi)
                       \varphi
                               ::= \kappa \mid \Pi^n \ (n \geq 0)
```