

$$\begin{array}{l}
t \rightarrow x \quad (\text{変数}) \\
| \quad t(t^*) \quad (\text{関数適用}) \\
\\
T \rightarrow A_1 | \dots | A_n \quad (\text{原子型}) \\
| \quad (T^*)T \quad (\text{関数型}) \\
\\
\mathcal{F} \rightarrow \varepsilon \\
| \quad (T^*)\mathcal{F} \\
\\
\text{T-VAR: } \frac{x : T \in \Gamma}{\Gamma \vdash x : T} \\
\\
\text{T-APP: } \frac{\Gamma \vdash t : \mathcal{F}(T_0 \dots T_n)T \quad \Gamma \vdash t_0 : \mathcal{F}T_0 \quad \dots \quad \Gamma \vdash t_n : \mathcal{F}T_n}{\Gamma \vdash t(t_0 \dots t_n) : \mathcal{F}T} \\
\\
\text{T-SUB: } \frac{\Gamma \vdash t : T \quad T <: T'}{\Gamma \vdash t : T'} \\
\\
\text{S-REFL: } \frac{}{T <: T} \\
\\
\text{S-TRANS: } \frac{T <: T' \quad T' <: T''}{T <: T''} \\
\\
\text{S-CONST: } \frac{}{T <: (S_0 \dots S_m)T} \\
\\
\text{S-ARROW: } \frac{T <: T' \quad T_0 <: T'_0 \quad \dots \quad T_n <: T'_n}{(T'_0 \dots T'_n)T <: (T_0 \dots T_n)T'} \\
\\
\text{SA-ATOM: } \frac{}{\vdash_A A_i <: A_i} \\
\\
\text{SA-CONST: } \frac{\vdash_A T <: T'}{\vdash_A T <: (S_0 \dots S_m)T'} \\
\\
\text{SA-ARROW: } \frac{\vdash_A T <: T' \quad \vdash_A T_0 <: T'_0 \quad \dots \quad \vdash_A T_n <: T'_n}{\vdash_A (T'_0 \dots T'_n)T <: (T_0 \dots T_n)T'}
\end{array}$$

このとき $T <: T' \iff \vdash_A T <: T'$ (たぶん).