

$$\frac{\Gamma \vdash T_s <: S_n \quad \forall m < n. \Gamma \vdash \text{disj}(T_s, S_m)}{\Gamma \vdash T_s \text{ match}\{S_i \Rightarrow T_i\} \text{ or } T_d ::= T_n}$$

(S-MATCH1/2)

$$\frac{\forall n. \Gamma \vdash \text{disj}(T_s, S_n)}{\Gamma \vdash T_s \text{ match}\{S_i \Rightarrow T_i\} \text{ or } T_d ::= T_d}$$

(S-MATCH3/4)

$$\frac{\Gamma \vdash S_s <: T_s \quad \Gamma \vdash S_d <: T_d \quad \forall n. \Gamma \vdash S_n <: T_n}{\Gamma \vdash S_s \text{ match}\{U_i \Rightarrow S_i\} \text{ or } S_d <: T_s \text{ match}\{U_i \Rightarrow T_i\} \text{ or } T_d} \text{ (S-MATCH5)}$$