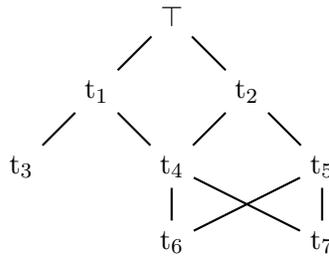


Typed Feature Structures

08.12.2009

Please perform unification operations using the given type hierarchy. If necessary, please also modify the type hierarchy and specify the GLB types.



1.

$$\begin{array}{c} \left[\begin{array}{c} F_1 \quad \boxed{1} \quad t_3 \\ F_2 \quad \left[\begin{array}{c} G_1 \quad t_2 \\ G_2 \quad \boxed{1} \end{array} \right] \end{array} \right] \\ t_1 \quad t_5 \end{array} \cup \begin{array}{c} \left[\begin{array}{c} F_2 \quad \boxed{1} \\ F_3 \quad \boxed{1} \quad \left[\begin{array}{c} G_1 \quad t_2 \\ G_3 \quad t_1 \end{array} \right] \end{array} \right] \\ t_1 \quad t_3 \end{array}$$

2.

$$\begin{array}{c} \left[\begin{array}{c} F_1 \quad \boxed{1} \\ F_2 \quad \left[\begin{array}{c} G_1 \quad \boxed{1} \end{array} \right] \end{array} \right] \\ t_1 \quad t_4 \end{array} \cup \begin{array}{c} \left[\begin{array}{c} F_1 \quad \left[\begin{array}{c} G_1 \quad \boxed{1} \end{array} \right] \\ F_3 \quad \boxed{1} \end{array} \right] \\ t_3 \quad t_5 \end{array}$$

3.

$$\begin{array}{c} \left[\begin{array}{c} F_1 \quad \boxed{1} \quad t_4 \\ F_2 \quad \boxed{1} \end{array} \right] \\ t_1 \end{array} \cup \begin{array}{c} \left[\begin{array}{c} F_2 \quad \boxed{1} \quad t_5 \\ F_3 \quad \boxed{1} \end{array} \right] \\ t_2 \end{array}$$