- reflexivity: $t = t$
- symmetry: $t = s \rightarrow s = t$
- transitivity: $t_1 = t_2 \wedge \ldots \wedge t_{n-1} = t_n \rightarrow t_1 = t_n$
- compatibility: $\bigwedge_{i=1}^{n} t_i = s_i \rightarrow f(t_1, \ldots, t_n) = f(s_1, \ldots, s_n)$