

agree_on^{4,23}

$\text{agree_on}(T;x.P(x))(L_1,L_2)$
 $\equiv_{\text{def}} \|L_1\| = \|L_2\| \ \& \ (\forall i:\mathbb{N}_{<\|L_1\|}. P(L_1[i]) \vee P(L_2[i]) \Rightarrow L_1[i] = L_2[i])$

clarification:

$\text{agree_on}(T;x.P(x))(L_1,L_2)$
 $\equiv_{\text{def}} \|L_1\| = \|L_2\| \in \mathbb{Z} \ \& \ (\forall i:\{0..\|L_1\|^{-}\}. P(L_1[i]) \vee P(L_2[i]) \Rightarrow L_1[i] = L_2[i] \in T)$