**rel_plus_iff**[0,22]

$\forall T$:Type, $R$:($T \to T \to$Prop), $x$, $z$:$T$. $(x\ R\hat{}+\ z) \Leftrightarrow (\exists y$:$T.\ (x\ (R^*)\ y)\ \&\ (y\ R\ z))$