

fun-connected-induction^{11,40}

$\forall T:\text{Type}, f:(T \rightarrow T), R:(T \rightarrow T \rightarrow \mathbb{P}).$

$(\forall x:T. R(x,x))$

$\Rightarrow (\forall x, y, z:T. (x = f(y)) \Rightarrow (\neg(x = y)) \Rightarrow y \text{ is } f^*(z) \Rightarrow R(y,z) \Rightarrow R(x,z))$

$\Rightarrow \{\forall x, y:T. x \text{ is } f^*(y) \Rightarrow R(x,y)\}$