order_split[12,41]

$\forall T$:Type, R:($T \to T \to \mathbb{P}$).
Order(T;x,y.$R(x,y)$)
$\Rightarrow$ ($\forall x$, y:T. Dec($x = y$))
$\Rightarrow$ ($\forall a$, b:T. $R(a,b) \iff$ (strict_part(x,y.$R(x,y)$;a;b) $\vee$ ($a = b$)))

ProofTree

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http://www.nuprl.org/FDLcontent/p0_942988_/p15_4519_{order_split}.html