

xxconnex_iff_trichot^{13,42}

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

$(\forall a, b:T. \text{Dec}(R(a,b)))$

$\Rightarrow (\text{connex}(T;R) \iff \{\forall a, b:T. ((R\backslash)(a,b)) \vee ((R\iff)(a,b)) \vee ((R\backslash)(b,a))\})$