

dec_iff_ex_bvfun^{13,42}

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

$(\forall x, y:T. \text{Dec}(E(x,y))) \iff (\exists f:T \rightarrow T \rightarrow \mathbb{B}. (\forall x, y:T. (\uparrow(x \ f \ y)) \iff E(x,y)))$