

decidable_equal_product^{11,40}

$\forall A:\text{Type}, B:(A \rightarrow \text{Type}).$
 $(\forall a,b:A. \text{decidable}(a = b))$
 $\Rightarrow (\forall a:A, u,v:B(a). \text{decidable}(u = v))$
 $\Rightarrow (\forall x,y:(a:A \times B(a)). \text{decidable}(x = y))$