

prod-deq_wf^{0,22}

$\forall A, B:\text{Type}, a:\text{EqDecider}(A), b:\text{EqDecider}(B).$

$\text{prod-deq}(A;B;a;b) \in (\forall p, q:(A \times B). p = q \Leftrightarrow \text{proddeq}(a;b)(p,q))$