

prod-deq-aux_wf^{0,22}

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

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