conditional-apply[11,40]

$\forall T$, V:Type, A, B:($T \to \mathbb{P}$), dcd_A:(t:$T \to$Dec($A(t)$)), f:($\{t$:$T|\ A(t)\} \to V$), g:($\{t$:$T|\ B(t)\} \to V$),
t:$\{t$:$T|\ (A(t)) \vee (B(t))\}$.
$((A(t)) \Rightarrow ([A?\ f : g](t) = f(t))) \ \&\ ((\neg(A(t))) \Rightarrow ([A?\ f : g](t) = g(t)))$

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http://www.nuprl.org/FDLcontent/p0_963683_/p29_332347_{conditional-apply}.html