Inference at $*$
of proof for Lemma p-conditional-domain:

$\vdash \forall A, B$:Type, f, g:$(A \to (B + \text{Top}))$, x:A.
(↑can-apply([f?g];x)) $\iff$ ((↑can-apply(f;x)) $\vee$ (↑can-apply(g;x)))
by ((RepUR "p-conditional can-apply" (0)·)
CollapseTHEN (MaAuto·))·

1:

1. A : Type
2. B : Type
3. f : $A \to (B + \text{Top})$
4. g : $A \to (B + \text{Top})$
5. x : A
6. ↑isl(if isl($f(x)$) then $f(x)$ else $g(x)$ fi)
7. ¬(↑isl($f(x)$))

$\vdash$ ↑isl($g(x)$)

2:

1. A : Type
2. B : Type
3. f : $A \to (B + \text{Top})$
4. g : $A \to (B + \text{Top})$
5. x : A
6. (↑isl($f(x)$)) $\vee$ (↑isl($g(x)$))

$\vdash$ ↑isl(if isl($f(x)$) then $f(x)$ else $g(x)$ fi)

.