

compose-fpf-dom^{0,22}

$\forall A:\text{Type}, B:(A \rightarrow \text{Type}), f:x:A \text{ fp} \rightarrow B(x), C:\text{Type}, a:(A \rightarrow (C + \text{Unit})), b:(C \rightarrow A), y:C.$
 $(y \in \text{fpf-domain}(\text{compose-fpf}(a;b;f)))$
 \Leftrightarrow
 $(\exists x:A. (x \in \text{fpf-domain}(f)) \ \& \ \text{isl}(a(x)) \ \& \ y = \text{outl}(a(x)))$