

fpf-rename-cap3^{11,40}

$\forall A, C, B:\text{Type}, eqa:\text{EqDecider}(A), eqc, eqc':\text{EqDecider}(C), r:(A\rightarrow C), f:a:A \text{ fp}\rightarrow B, a:A, z:B,$
 $c:C.$

$\text{Inj}(A;C;r) \Rightarrow (c = r(a)) \Rightarrow (\text{rename}(r;f)(c)?z = f(a)?z \in B)$