

### fpf-rename-cap3<sup>0,22</sup>

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

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