inject-composes[11,40]

$\forall A$, B_0, B_1, C:Type, f:($A \rightarrow B_0$), g:($B_1 \rightarrow C$).
strong-subtype(B_0;B_1) $\Rightarrow$ Inj(A;B_0;f) $\Rightarrow$ Inj(B_1;C;g) $\Rightarrow$ Inj(A;C;g o f)

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http://www.nuprl.org/FDLcontent/p0_963683_/p29_386211_{inject-composes}.html