same-final-iterate-one-one[11,40]

$\forall A$:Type, f:$(A{\rightarrow}(A + \text{Top}))$.
SWellFounded(p-graph$(A;f)(y,x)$)
$\Rightarrow$ p-inject$(A;A;f)$
$\Rightarrow (\forall x,\ y{:}A.$
$\quad$(final-iterate$(f;x)$ = final-iterate$(f;y) \in A$)
$\quad\Rightarrow (\exists n{:}\mathbb{N}.\ ((\text{p-graph}(A;f\hat{\ }n)(x,y)) \vee (\text{p-graph}(A;f\hat{\ }n)(y,x)))))$