map-concat-filter-lemma1^{0,22}

$\forall A$, B:Type, L_2:(Id×(A→B→(Top List))) List, L:(Top×Id×Top) List, tg:Id, a:A, b:B.
{map(λx.2of(x);L)
 =
 concat(map(λtgf.map(λx.⟨1of(tgf), x⟩;2of(tgf)(a,b));L_2))
 ∈ (Id×Top) List
 ⇒ ¬(tg ∈ map(λp.1of(p);L_2))
 ⇒ filter(λms.1of(2of(ms)) = tg;L) = nil ∈ (Top×Id×Top) List}

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http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/
p39_293206_{map-concat-filter-lemma1}.html