

concat-map-map-decide^{11,40}

$\forall T:\text{Type}, g:\text{Top}, L:(T \text{ List}), f:(\{x:T \mid (x \in L)\} \rightarrow (\text{Top} + \text{Top})).$
 $\text{concat}(\text{map}(\lambda x.\text{map}(\lambda y.g(x,y);\text{case } f(x) \text{ of } \text{inl}(m) \Rightarrow [m] \mid \text{inr}(x) \Rightarrow []);L))$
 \sim
 $\text{mapfilter}(\lambda x.g(x,\text{outl}(f(x))); \lambda x.\text{isl}(f(x));L)$