

list_accum_functionality^{11,40}

$\forall T, A:\text{Type}, f, g:(T \rightarrow A \rightarrow T), L:(A \text{ List}), y, z:T.$
 $(\forall L':(A \text{ List}), a:A.$
iseg(A ; append(L' ; cons(a ; [])); L)
 $\Rightarrow (f(\text{list_accum}(x, a.f(x, a); y; L'), a) = g(\text{list_accum}(x, a.f(x, a); y; L'), a)))$
 $\Rightarrow (y = z)$
 $\Rightarrow (\text{list_accum}(x, a.f(x, a); y; L) = \text{list_accum}(x, a.g(x, a); z; L) \in T)$