

map-decide^{0,22}

$\forall A, B:\text{Type}, b:A+B, f, L_1, L_2:\text{Top}.$

$\text{map}(f;\text{Case } b \text{ of } \text{inl}(a) \Rightarrow L_1(a) ; \text{inr}(a) \Rightarrow L_2(a))$

$\sim$

$\text{Case } b \text{ of } \text{inl}(a) \Rightarrow \text{map}(f;L_1(a)) ; \text{inr}(a) \Rightarrow \text{map}(f;L_2(a))$