

product-map^{11,40}

$\forall A, B, C:\text{Type}, as:(A \text{ List}), bs:(B \text{ List}), F:(A \rightarrow B \rightarrow C).$
 $\exists cs:C \text{ List}. (\forall c:C. (c \in cs) \iff (\exists a \in as. (\exists b \in bs. c = F(a,b))))$