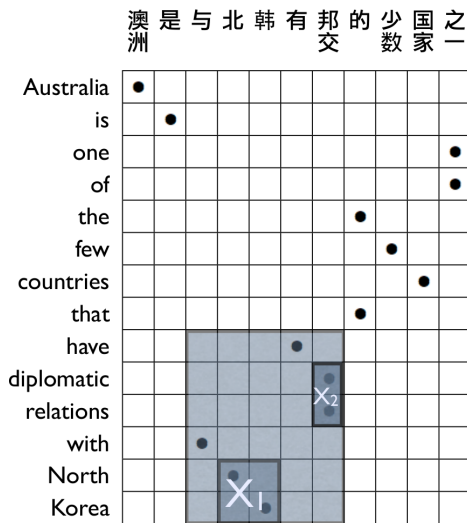


# Hierarchical Phrase Extraction



(与北韩有邦交,  
have diplomatic  
relations with  
North Korea)

(邦交, diplomatic  
relations)

(北韩, North Korea)

$X \rightarrow$  与  $X_1$  有  $X_2$ ,  
have  $X_2$  with  $X_1$