

Training

Parallel
corpus

Word
Alignment

Statistical
Modelling

Language
Modelling

Target
Language
Corpus

Translation
Model (TM)

Reordering
Model (RM)

Language
Model (LM)

Source
language
input **f**

Statistical
Decoding

Target
language
output **e**

$$\hat{e} = \arg \max_{e \in e^*} p(e | f) = \arg \max_{e \in e^*} p(f | e) p(e)$$

Translating