Factors in NMT

- Source word factors easy to incorporate:
  - Concatenate embeddings of the various factors.
  - POS tags, morph. features, source dependency labels help en↔de and en→ro (Sennrich and Haddow, 2016).
- Target word factors:
  - Interleave for morphology: (Tamchyna et al., 2017)

Src	there are a million different kinds of pizza .
Baseline (BPE)	existují miliony druhů piz@@ zy .
Interleave	VB3P existovat NNIP1 milion NNIP2 druh NNFS2 pizza Z: .

  - Interleave for syntax: (Nadejde et al., 2017)

Src BPE	Obama receives Net+ an+ yahu in the capital of USA
Tgt	NP Obama ((S[dcl]\NP)/PP)/NP receives NP Net+ an+ yahu PP/NP in NP/N the N cap

  - Multiple decoders, each predicting own sequence.