

# Ultimate Goal of SMT vs. NMT

Goal of “classical” SMT (e.g. PBMT):

Find **minimum translation units**  $\sim$  graph partitions:

- such that they are frequent across many sentence pairs.
- without imposing (too hard) constraints on reordering.
- in an unsupervised fashion.

Goal of neural MT:

**Avoid** minimum translation units. Find NN architecture that

- Reads input in as original form as possible.
- Produces output in as final form as possible.
- Can be optimized end-to-end in practice.