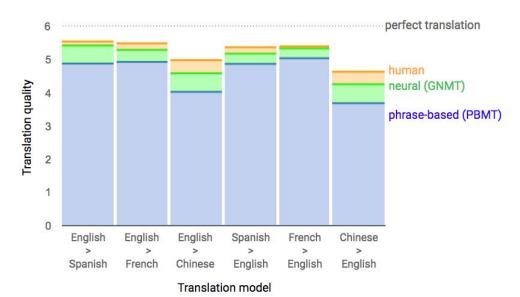
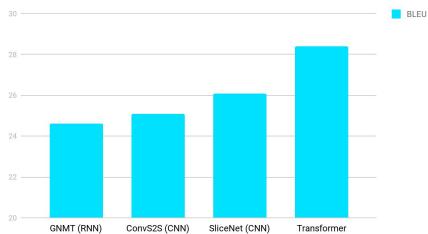
Has NMT really bridged the gap between MT and human translation?

Ivan Makhotin, Yury Mokriy, Ekaterina Goltsova, Anna Medvedeva, Nikita Kiselev

Current situation



English German Translation quality



Attempts to solve the challenges

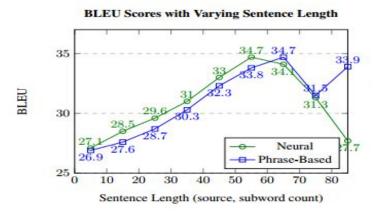
1. Rare words, out of domain

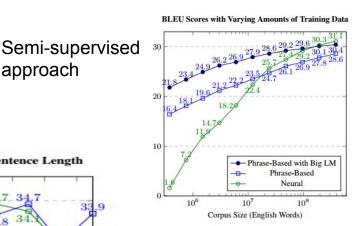
GNMT: divide words into a limited set of common sub-word units

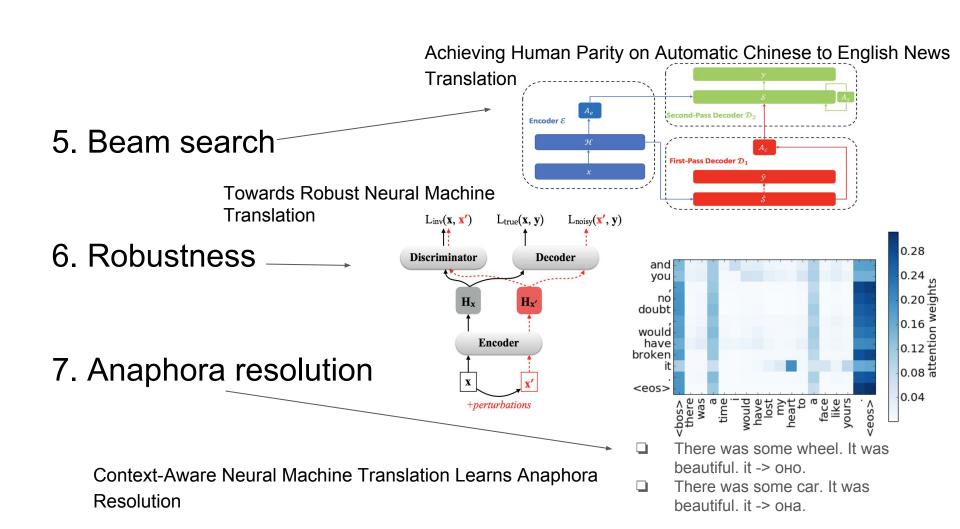
approach

2. Amount of training data

3. Long sentences







Thank you for your attention

Extra slides

Context-Aware Neural Machine Translation Learns Anaphora Resolution

Solving the problem

There was some wheel. It was beautiful. it -> оно.

There was some car. It was beautiful. it -> она.

