TUPA at MRP 2019
A Multi-Task Baseline System

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CoNLL 2019 MRP Shared Task baseline.
Neural transition-based graph parser.

Intermediate Graph Representation
Originally developed for UCCA [2, 3].
Generalized to support DM, PSD, EDS and AMR.

Transition Classifier
Single-task/multi-task over frameworks. Separate MLPs for transitions, node labels, node properties, and edge attributes.

Full Evaluation

The Little Prince Subset

Transitions
General DAG parser, supporting reentrancy, discontinuity and non-terminal nodes.

References
2. Ofir Arviv, Hebrew University of Jerusalem, School of Computer Science and Engineering