**Part 1: Experiment Summary**

**Architecture**

For this experiment we used an LSTM acceptor with the following architecture:

* Embedding dimension: 30
* LSTM Hidden dimension: 50
* MLP hidden dimension: 50
* Batch size: 64
* Learning rate: 0.001

**Data**

Our training set contained 40,000 sequences (50 % positive, 50 % negative), and our held-out test set had 2,000 sequences (also 50/50).

**Performance**

After 6 epochs (≈ 158 seconds) our model achieved 100 % accuracy on the training and test sets.

Since the initial performance was nearly perfect on our data, we reused this configuration without further modification.