Algorithm 1: Averaged Structured Perceptron **Input**: Training sentences: $\{s_i\}_{i=1}^N$

 $1 \theta \leftarrow 0$ 2 for $t \leftarrow 1$ T do

2 for
$$t \leftarrow 1 \dots T$$
 do
3 for $i \leftarrow 1 \dots N$ do