S : sentence

We can score a labeling l of s by adding up the weighted features over all words in the sentence.

score(l|s)=∑mj=1∑ni=1λjfj(s,i,li,li−1)

∑l′exp[score(l′|s)]

exp[∑mj=1∑ni=1λjfj(s,i,li,li−1)] - ∑l′exp[∑mj=1∑ni=1λjfj(s,i,l′i,l′i−1)]