Dual n-gram LM

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Ensuring a unique play for any sequence of tokens and to model it as a probability distribution

$$P_1[\langle/\texttt{s}\rangle \mid \langle\texttt{s}\rangle] = P_2[\langle/\texttt{s}\rangle \mid \langle\texttt{s}\rangle] = 0 \tag{1}$$

$$P_1[\langle\texttt{sw}\rangle \mid \langle\texttt{s}\rangle] + P_2[\langle\texttt{sw}\rangle \mid \langle\texttt{s}\rangle] = 1 \tag{2}$$

$$P_1[\langle\texttt{sw}\rangle \mid \langle\texttt{sw}\rangle] = P_2[\langle\texttt{sw}\rangle \mid \langle\texttt{sw}\rangle] = 0 \tag{3}$$

$$P_1[\langle/\texttt{s}\rangle \mid \langle\texttt{sw}\rangle] = P_2[\langle/\texttt{s}\rangle \mid \langle\texttt{sw}\rangle] = 0 \tag{4}$$

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$$P_1[\langle /\mathtt{s}\rangle \mid \langle \mathtt{s}\rangle] = P_2[\langle /\mathtt{s}\rangle \mid \langle \mathtt{s}\rangle] = 0 \qquad (1)$$

$$P_1[\langle \mathtt{sw}\rangle \mid \langle \mathtt{s}\rangle] + P_2[\langle \mathtt{sw}\rangle \mid \langle \mathtt{s}\rangle] = 1 \qquad (2)$$

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$$P_1[\langle /\mathtt{s}\rangle \mid \langle \mathtt{sw}\rangle] = P_2[\langle /\mathtt{s}\rangle \mid \langle \mathtt{sw}\rangle] = 0 \qquad (4)$$

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