Lab 2

$$P(W_1|W_1W_2) = \frac{C(W_1|W_2, W_3)}{C(W_1, W_2)}$$

(4) The perplexity is a measurement of how well the test set fits the LM. Calculated by Iwersed prob of test set, normalised by the number of words.

TT P(W2/W,)

bigram perplexity.

$$=\frac{(00^{10})^{10}}{(91)^{4}}$$

$$\frac{(00)}{(0\sqrt{919})} = 1.72$$