<S> JOHN READ MOBY DICK </S>

<S> MARY READ A DIFFERENT BOOK </S>

<S> SHE READ A BOOK BY CHER </S>

V=11 (total number of different word present in corpus)

Using smopthing the probability of bigram is

$P(w_i| w_{i-1})=count(w_{i-1}w_i) + 1/count(w_{i-1})+v$

P(READ | JOHN)=count(JOHN, READ)/count(JOHN)

p(JOHN READ A BOOK) =

p(CHER READ A BOOK) =