$P(\text{nice}|\mathcal{L}S>) = 0 \quad P(\text{to}|\text{nice}) = 1/2$ $P(\text{meet}|\text{to}) = 1/2 \quad P(\text{meat}|\text{to}) = 0$ P(you|meet) = (P(you|meat) = 0) $P(\mathcal{L}S>|\text{nice}|\text{to}|\text{meet}|\text{you}|\text{E}>) = 0$ $P(\mathcal{L}S>|\text{nice}|\text{to}|\text{meat}|\text{you}|\text{E}>) = 0$ $P(\mathcal{L}S>|\text{nice}|\text{to}|\text{meat}|\text{you}|\text{E}>) = 0$

Smoothing (Laplace's law) $P(wir | Wi-1) = \frac{O(W_{i-1} | W_{i}) + 1}{O(W_{i-1}) + V}$

(V = 31)

```
P(\text{nice} | < \le >) = 0.029 \qquad P(\text{to} | \text{nice}) = 0.06|
P(\text{meet} | \text{to}) = 0.06| \qquad P(\text{meot} | \text{to}) = 0.030
P(\text{you} | \text{meet}) = 0.06| \qquad P(\text{you} | \text{meot}) = 0.03|
P(< = > | \text{you}) = 0.063
P(< > > \text{nice} | \text{to} | \text{meet} | \text{you} < = >) = P(\text{nice} | < > >)
\times P(\text{to} | \text{nice}) \times P(\text{meet} | \text{to}) \times I \text{you} | \text{meet})
\times P(< = > | \text{you})
= 0.029 \times 0.061 \times 0.061 \times 0.031 \times 0.063
= 2.11 \times | \text{so}^{-7}
```

$$P(~~nice to meat you < E>) = P(nice | < s>)~~$$

$$\times P(to | nice) \times P(meat | to) \times (you | meat)$$

$$\times P(| you)$$

$$= 0.029 \times 0.061 \times 0.030 \times 0.031 \times 0.063$$

$$= 1.04 \times 10^{-7}$$

Therefore, <5> nice to meet you <E> is more suitable