

$$\begin{aligned}
 R(\alpha_i \mid x) &= \sum_{j=1}^{j=c} \lambda(\alpha_i \mid \omega_j) P(\omega_j \mid x) \\
 &= \sum_{j \neq 1} P(\omega_j \mid x) = 1 - P(\omega_i \mid x)
 \end{aligned}$$