$$\frac{\mathbf{Prob}[\mathrm{SPAM}] \cdot \prod_{i=1}^{n} \mathbf{Prob}[w_i \mid \mathrm{SPAM}]}{\prod_{i=1}^{n} (\mathbf{Prob}[w_i | \mathrm{SPAM}] \cdot \mathbf{Prob}[\mathrm{SPAM}] + \mathbf{Prob}[w_i | \neg \mathrm{SPAM}] \cdot \mathbf{Prob}[\neg \mathrm{SPAM}]}$$