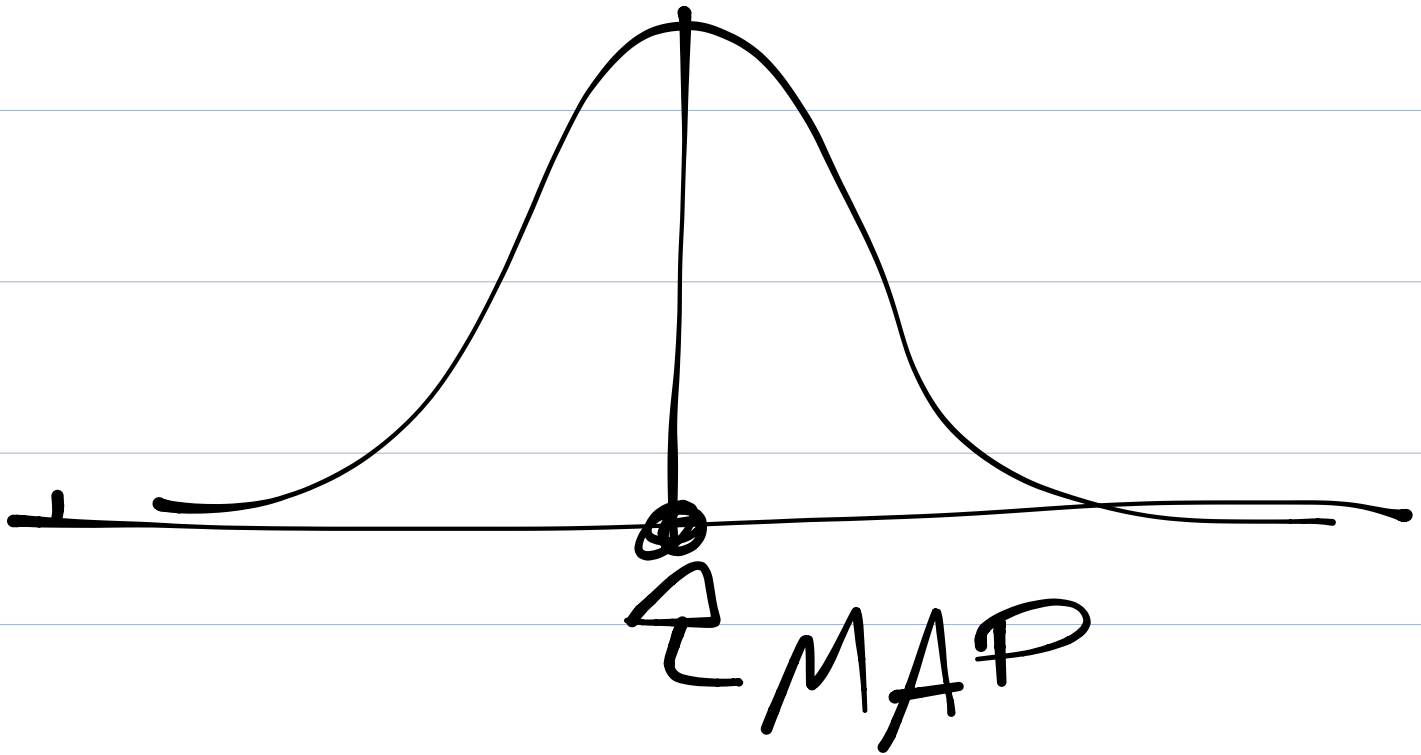
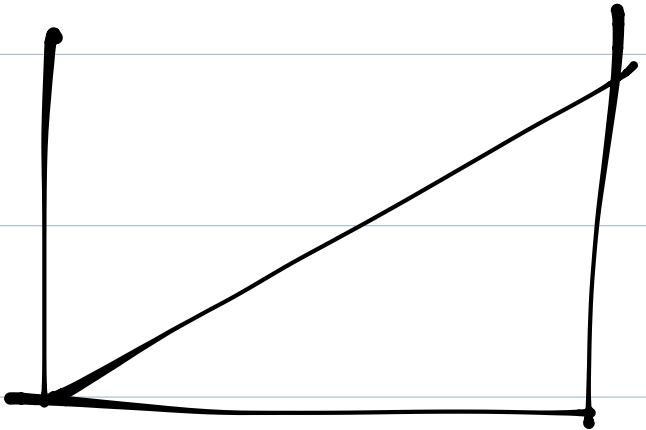


$$\underline{P(A)} = \sum_{i=-\infty}^{i=\infty} P(A|x=i)$$



$$B(b | \nu=1, \beta=1) =$$



$$B(2, 1) = 1$$




$$\frac{P(w|x)}{\sum_i \frac{P(x/w)}{P(w)}} \propto \frac{P(x/w)}{P(w)} \cdot \left(\sum_i (y_i - \langle w, x_i \rangle)^2 + \dots \right)$$

$$= \frac{1}{2} \phi \left(-\frac{\phi \langle w, w \rangle}{2} \right)$$

$$= \sum (y_i - \langle w, x_i \rangle)^2 + \frac{\phi}{2} \|w\|^2$$