

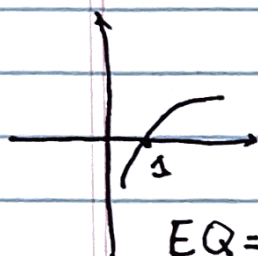
less acc

$$8 \times \frac{1}{12} = e_{t=1} \quad 1 - e_t = \frac{4}{12} \quad \beta_t = \frac{1}{2} \log_e \left(\frac{4}{12} \times \frac{12}{8} \right) = \frac{1}{2} \log_e \frac{1}{2}$$

more acc

$$4 \times \frac{1}{12} = e_{t=1} \quad 1 - e_t = \frac{8}{12} \quad \beta_t = \frac{1}{2} \log_e \left(\frac{8}{12} \times \frac{12}{4} \right) = \frac{1}{2} \log_e 2$$

$$\underset{\text{cum iter}}{W_{t+1,i}} = \underset{\text{cum iter}}{W_{t,i}} \cdot \left[e^{\frac{(-\beta y_i h_t(x_i))}{e^{EQ}}} \right] = W_{t,i} \cdot e^{EQ}$$



$$EQ = -\beta y_i h_t(x_i) \quad (1) \quad y_i = h_t(x_i) \Rightarrow y_i \cdot h_t(x_i) = 1; EQ = -\beta$$

$$(2) \quad y_i \neq h_t(x_i) \Rightarrow y_i \cdot h_t(x_i) = -1; EQ = \beta$$

