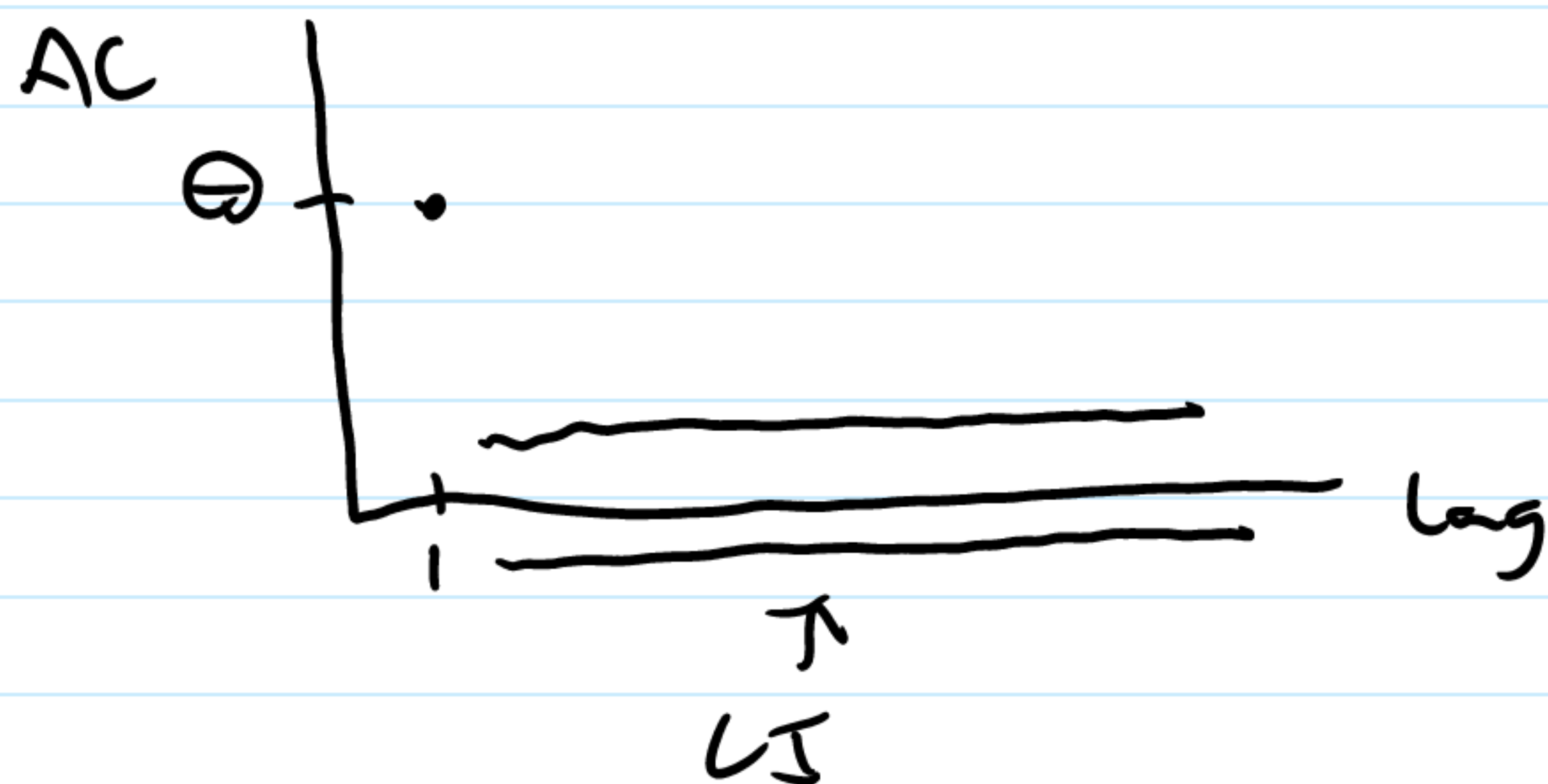


MA(1)

$$x_t = \varepsilon_t + \theta \varepsilon_{t-1}$$



$$x_{t-1} = \varepsilon_{t-1} + \theta \varepsilon_{t-1} \rightarrow \varepsilon_{t-1} = x_{t-1} - \theta \varepsilon_{t-2}$$

$$\hookrightarrow x_t = \varepsilon_t + \theta (x_{t-1} - \theta \varepsilon_{t-2})$$