Problem: o as the carrent model is too unconstrained o to regularize, we could use a markov L) the previous model had several problems: « Mis Mis - temperature was proportional to probability of exposure $2^{t-1} = 1:$ $\mu \qquad \mu + \alpha (1-\mu) = (1-\alpha)\mu + \alpha$ 2 = 0 :

$$P\left(2i_{3}^{t} \mid 2i_{3}^{t-1}\right) = \begin{cases} (1-\alpha)\mu_{i_{3}} \\ (1-\alpha)\mu_{i_{3}} + \alpha \end{cases}$$

$$E\left(23\right) = \chi$$

$$\left(1-\alpha\right)\mu_{i_{3}} + \alpha$$

$$\left(1-\alpha\right)\mu_{i_{3}} + \alpha$$

$$E[u:u:] = \begin{cases} \frac{1}{k} & \text{if } k = 0 \end{cases}$$