T.Split ↙ ↘ x_train

$$\left(\frac{0.85 \times 50{,}000}{125}\right) \times 10 \leftarrow \text{Epochs}$$

↳ Each Epoch

3400

Cakes = 5
Days = 3

$R(c, \text{Day}=4) = 0$ ↱ Stop criterion.

States → Days, cakes.
We need to start with last day as it is near the stop criterion.
↳ ~~chk~~ "State map" will comprise of all ~~possi~~ values of cakes.
↳ Then we need to chk for all ~~$$~~ choices at that state.

$R(c, d) = 0.7^{d-1} \times \sqrt{c}$

~~For~~ Dynamics can be constructed from the stop-criterion
↳ $T = 4$

$$R(c, t) = \max_{x \in [0, c]} \left[R(x, t) + R(c - x, t+1) \right]$$

Max Value for reward at $x \in [0, c]$