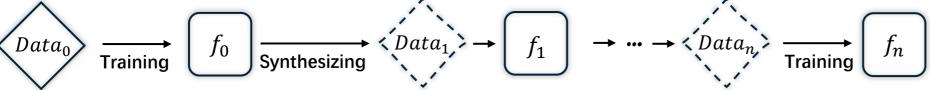
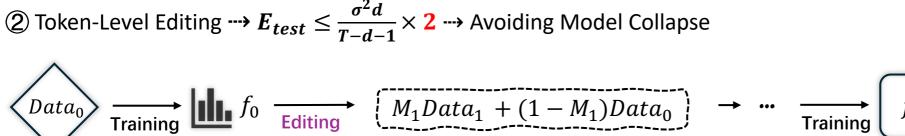
① Model Collapse Setting
$$\longrightarrow E_{test} = \frac{\sigma^2 d}{T - d - 1} \times n$$



Iterations
$$i \in \{1, ..., n\}$$

$$\mathsf{Test} \; \mathsf{Error} \; E_{test}$$

$$\mathsf{Data} \; \mathsf{Size} \; \mathsf{T}$$



Input Dimensions d Label Noise Scalar σ Editing Operation Matrix M_i

Trained Model f_i

Source Real Data: Data₀

Synthetic Data: Data > 0