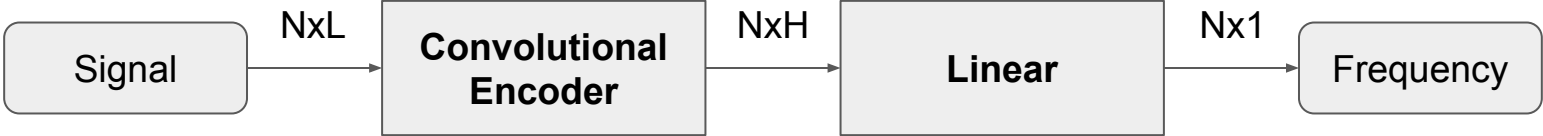


FSR Fusion Model

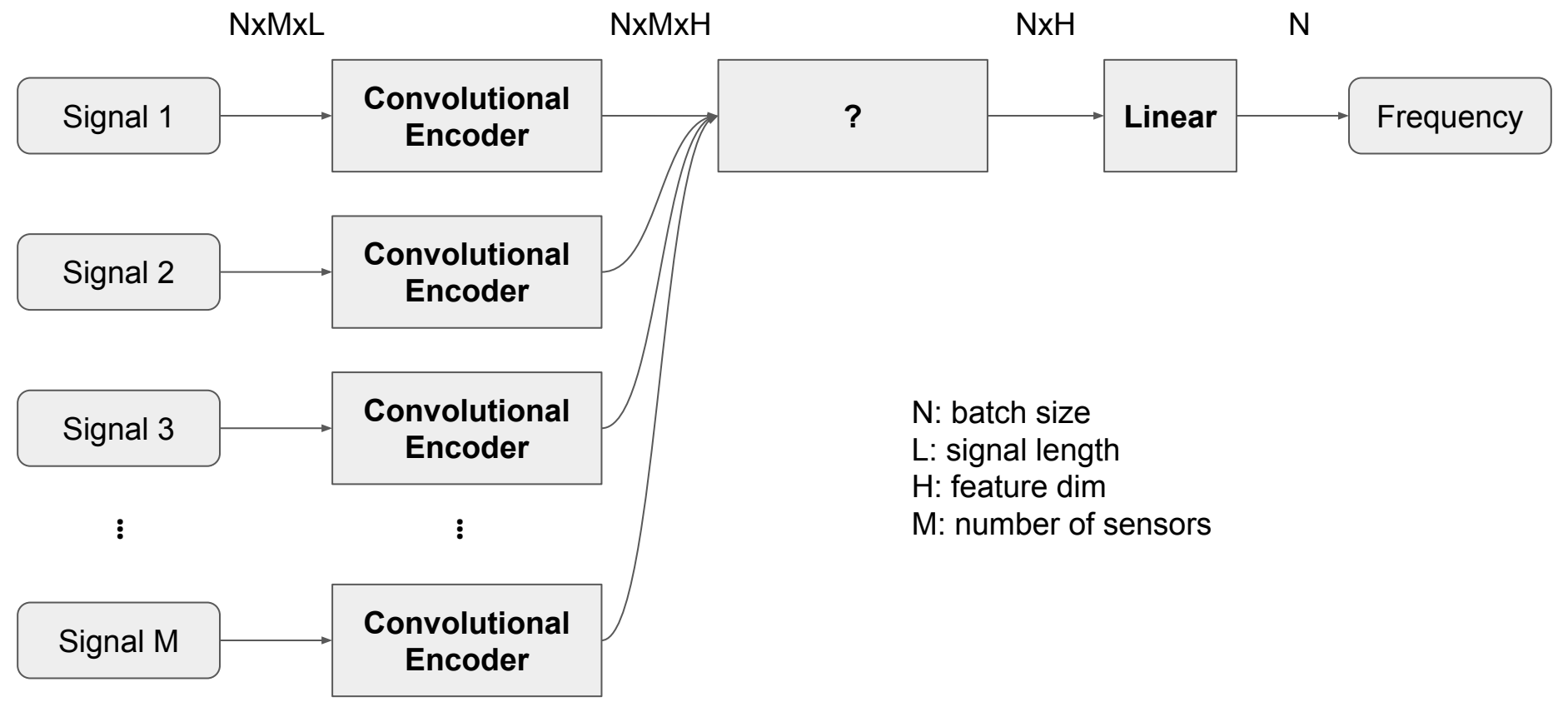
Frequency Estimation with Attention

Frequency Estimation Model

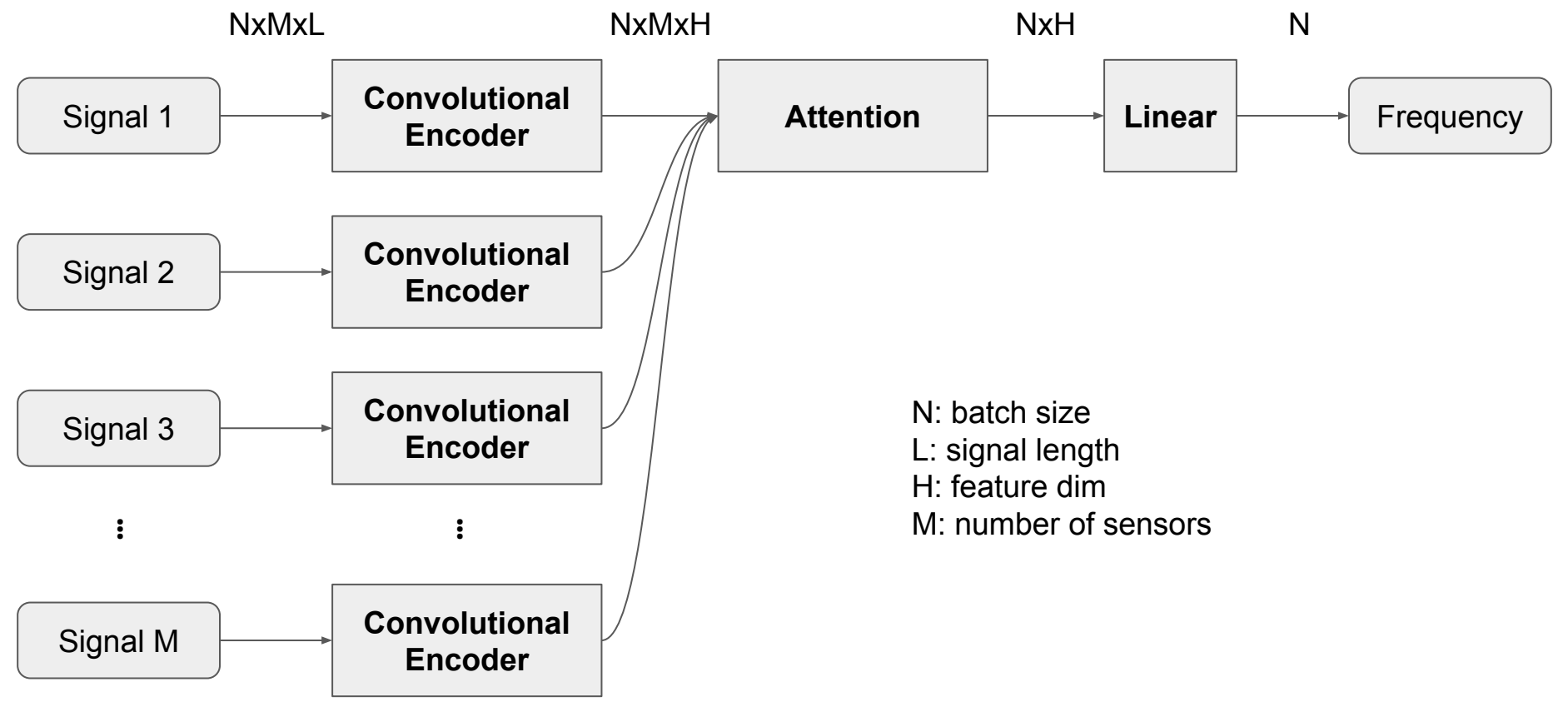


N: batch size
L: signal length
H: feature dim

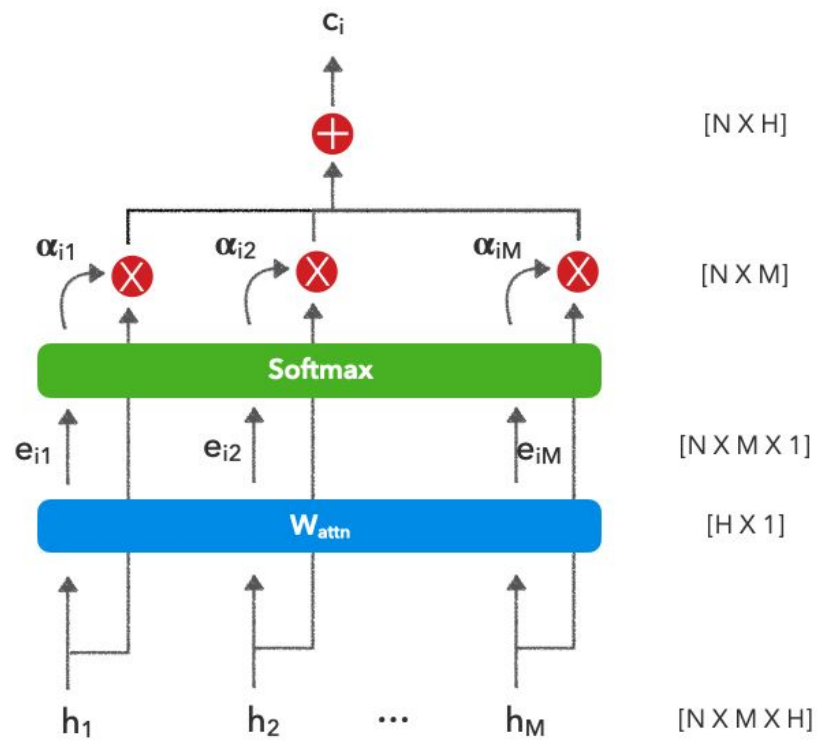
Frequency Estimation Model



Frequency Estimation Model

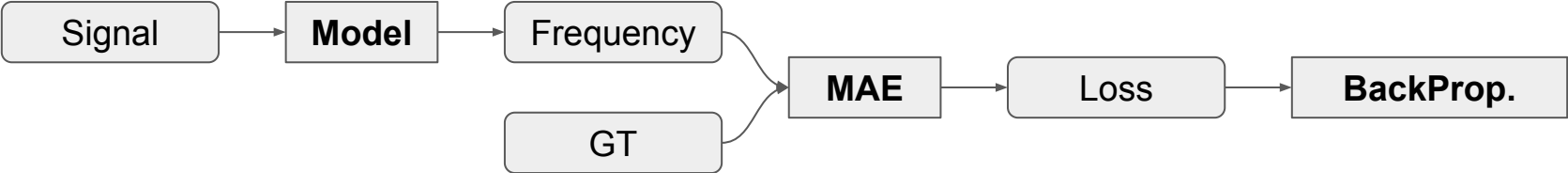


Attention



N: batch size
H: feature dim
M: number of sensors
h: encoder outputs
a: attention values

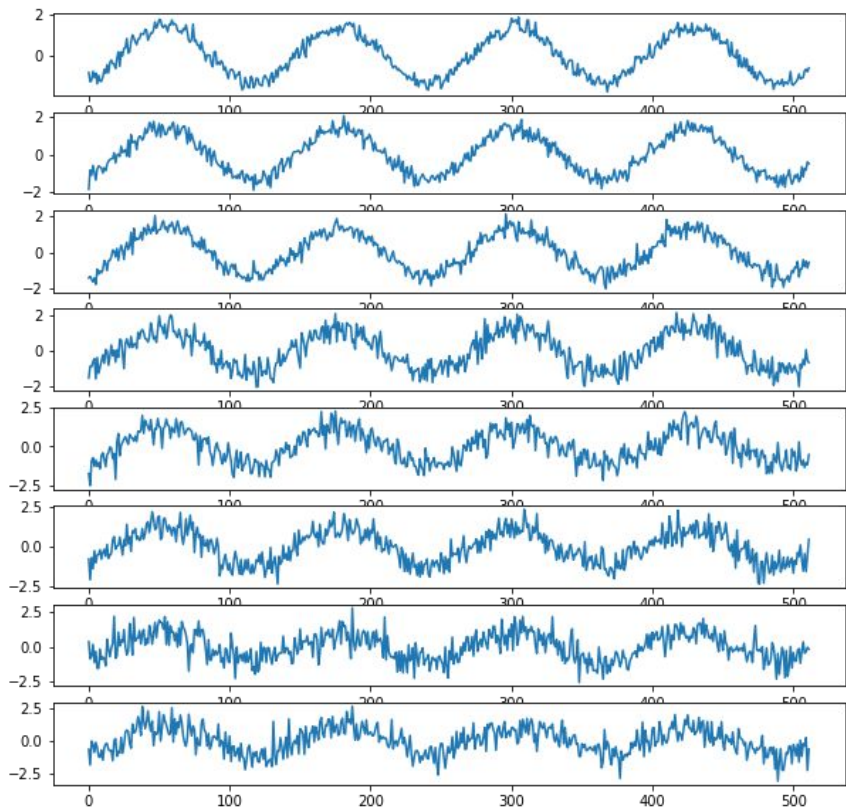
Training Process



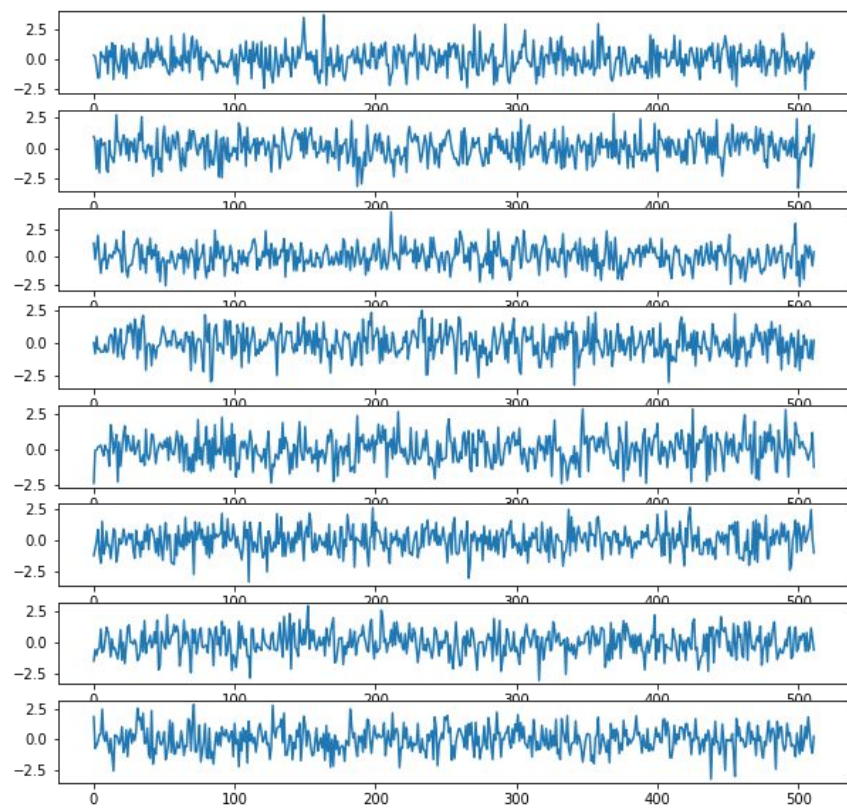
$$MAE = \frac{1}{N} \sum_{i=1}^N |f'_i - f_i|$$

Experiment Result – Virtual Data

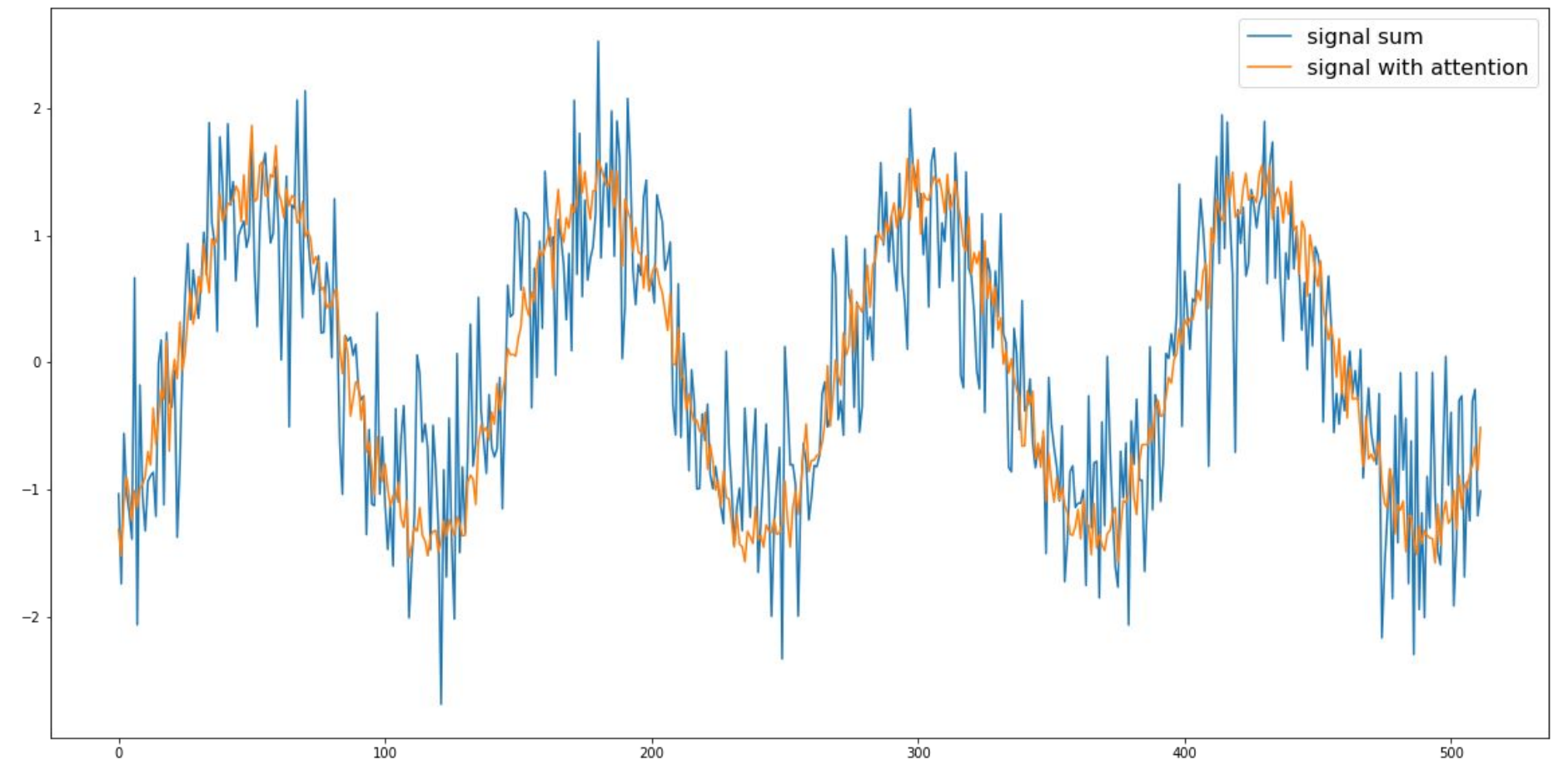
Attention Top 8



Attention Bottom 8

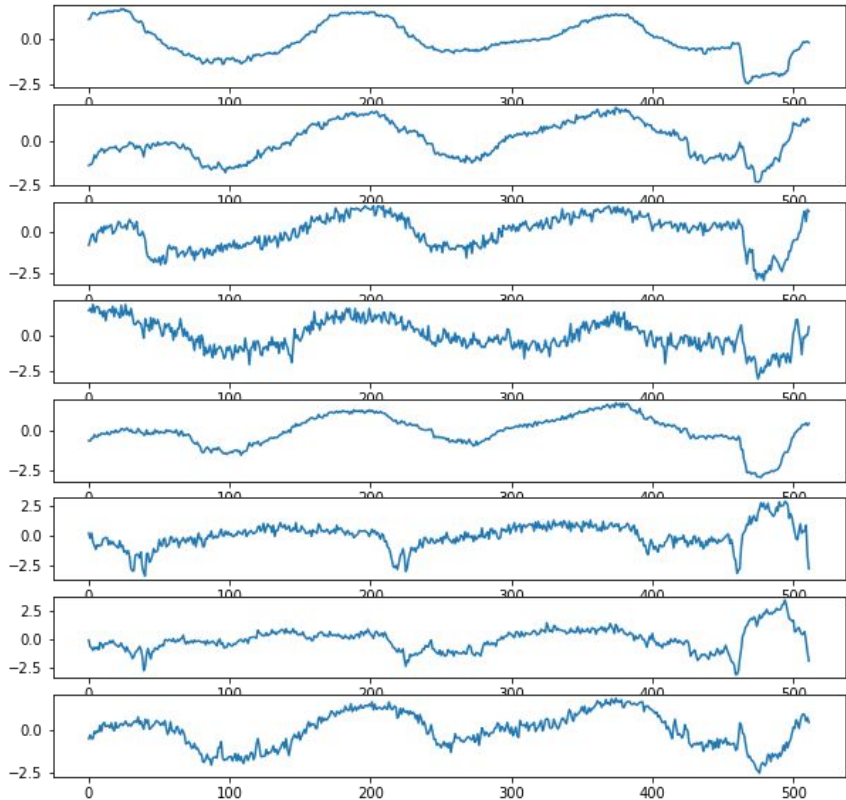


Experiment Result – Virtual Data

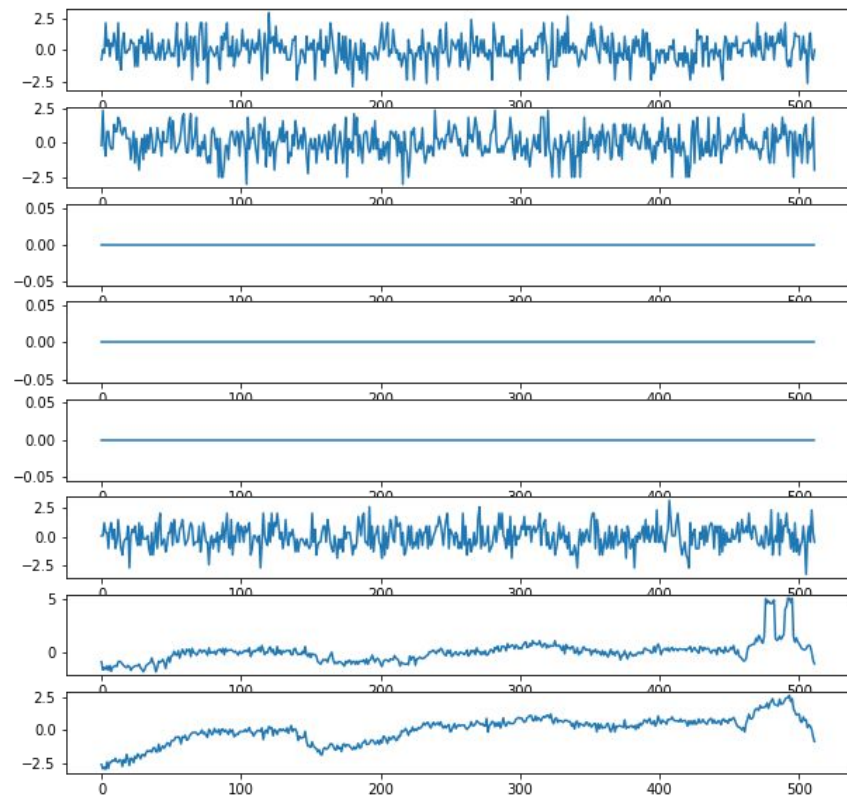


Experiment Result – Real Data

Attention Top 8



Attention Bottom 8



Experiment Result – Real Data

