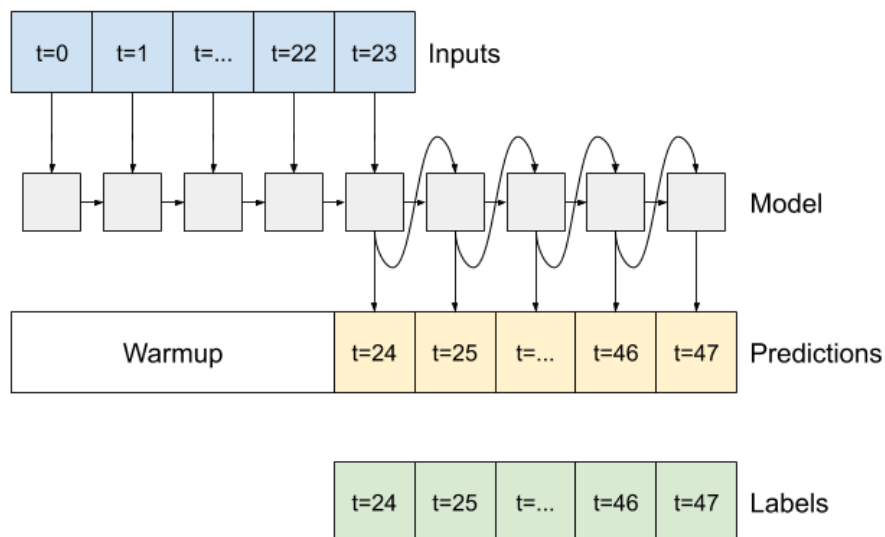
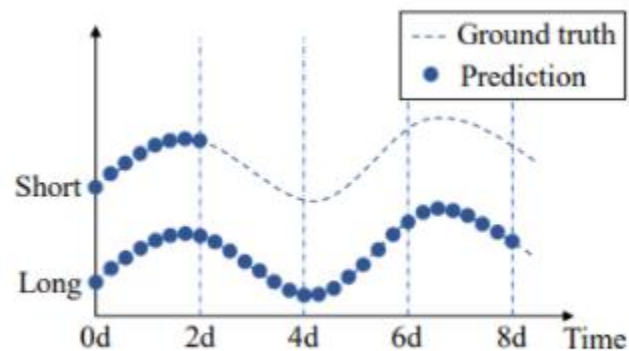


시계열 데이터

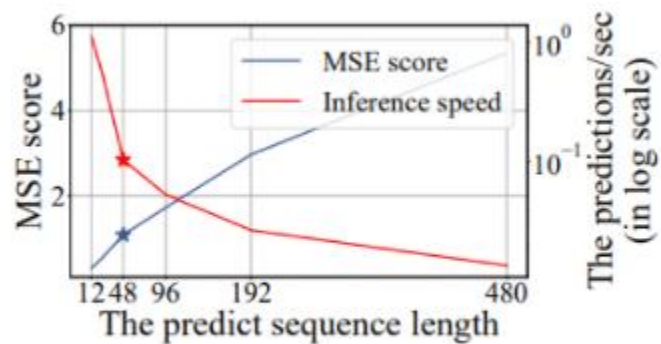
# Informer: Beyond Efficient Transformer for Long Sequence Time-Series Forecasting (AAAI'21 Best Paper)

기존의 시계열 데이터 처리는 LSTM을 많이 사용





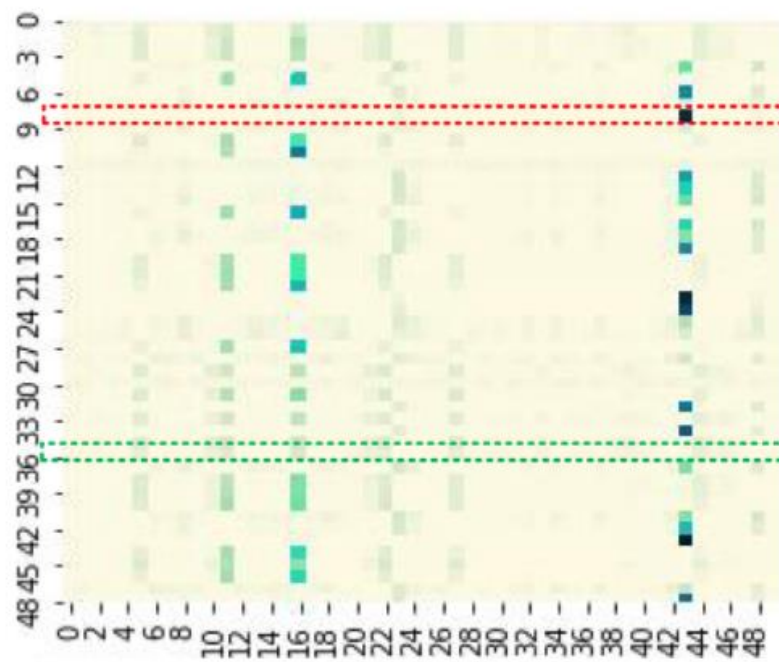
(a) Sequence Forecasting.



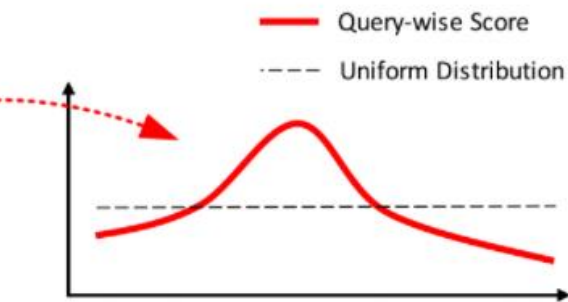
(b) Run LSTM on sequences.

자연어 데이터보다 일반적으로 훨씬 긴 시계열을 예측하는 시계열 데이터

Transformer 의 attention layer 는 matrix 연산임 -> 계산인 size의 제공만큼 증가



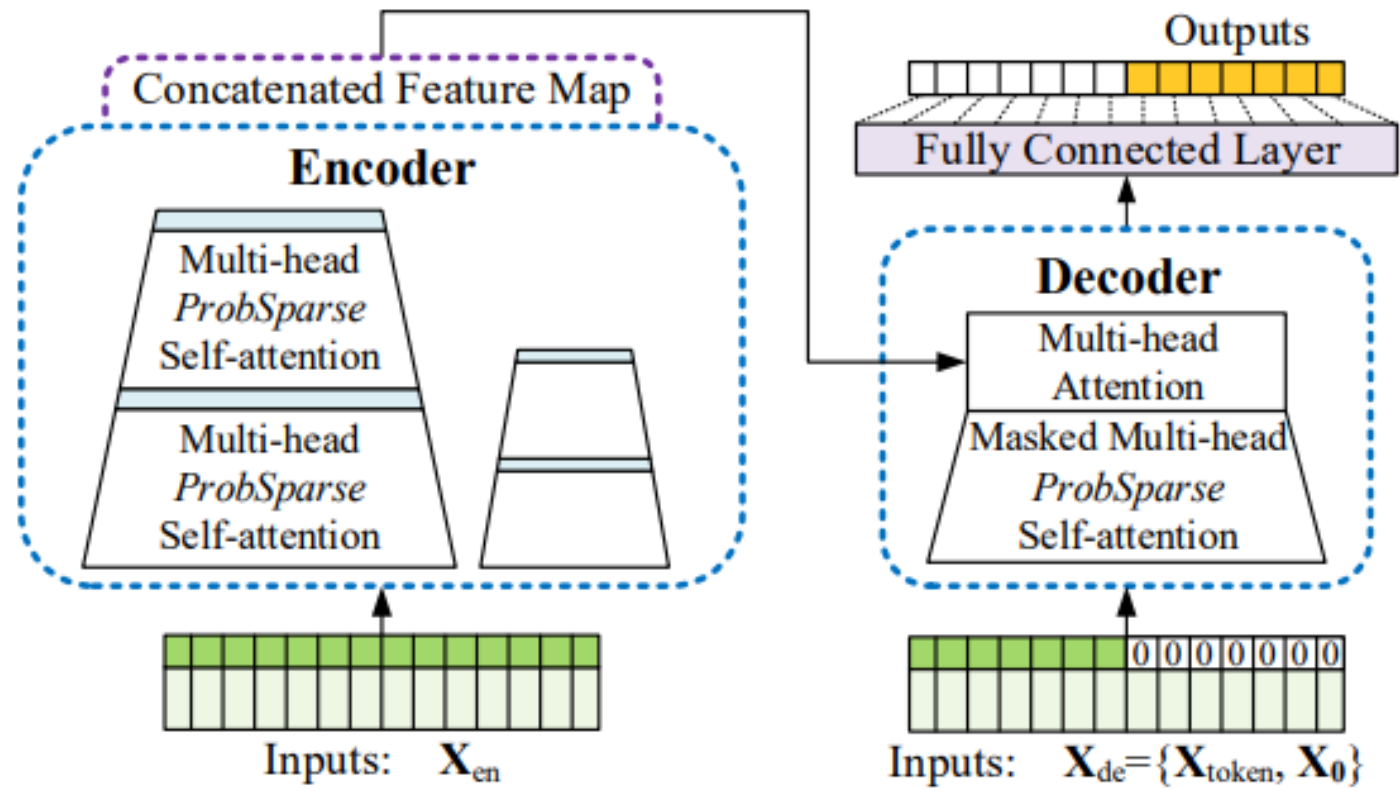
Queries (50) & Keys (50) Feature Map



The "Active" Query in Self-Attention



The "Lazy" Query in Self-Attention





# Thank you

