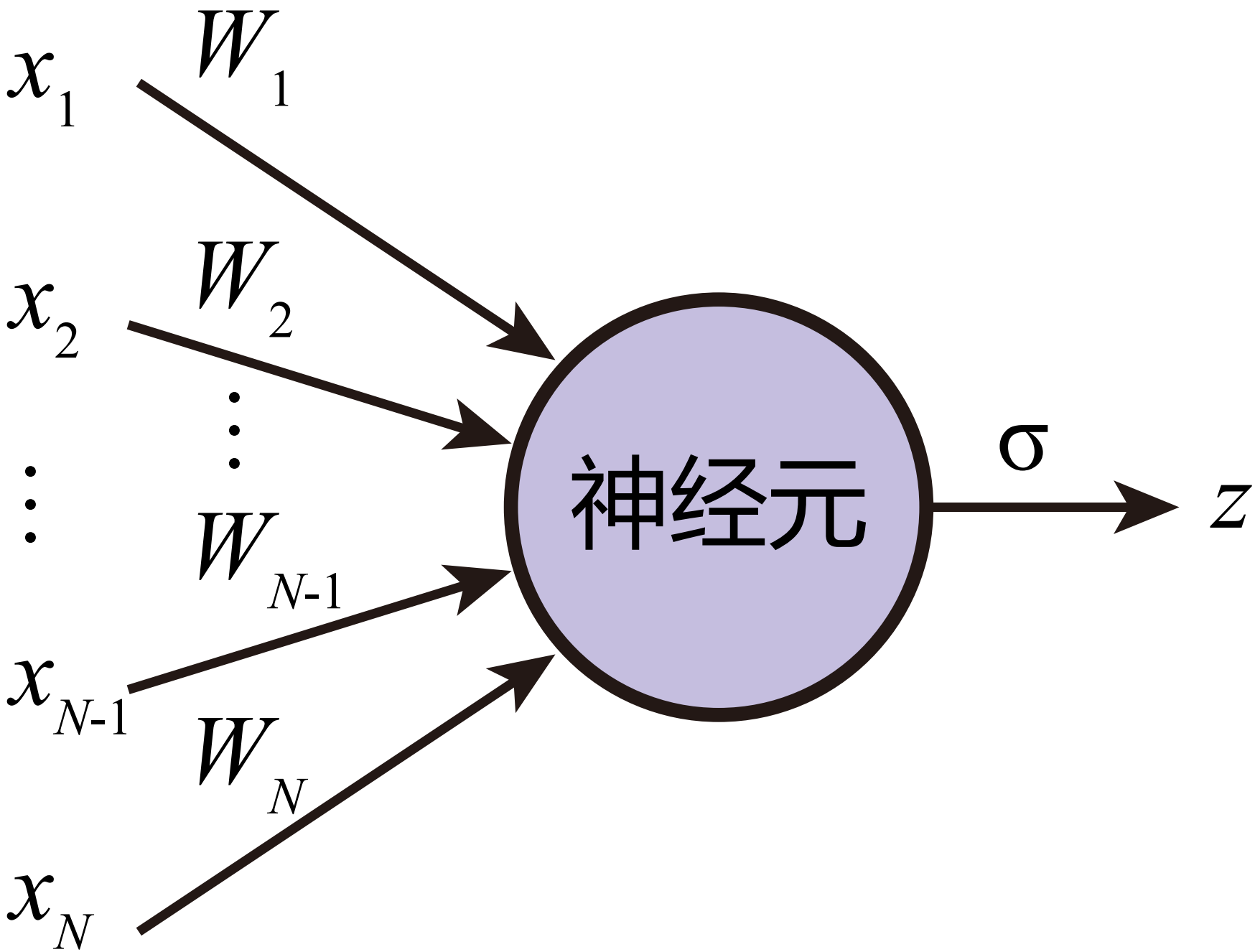
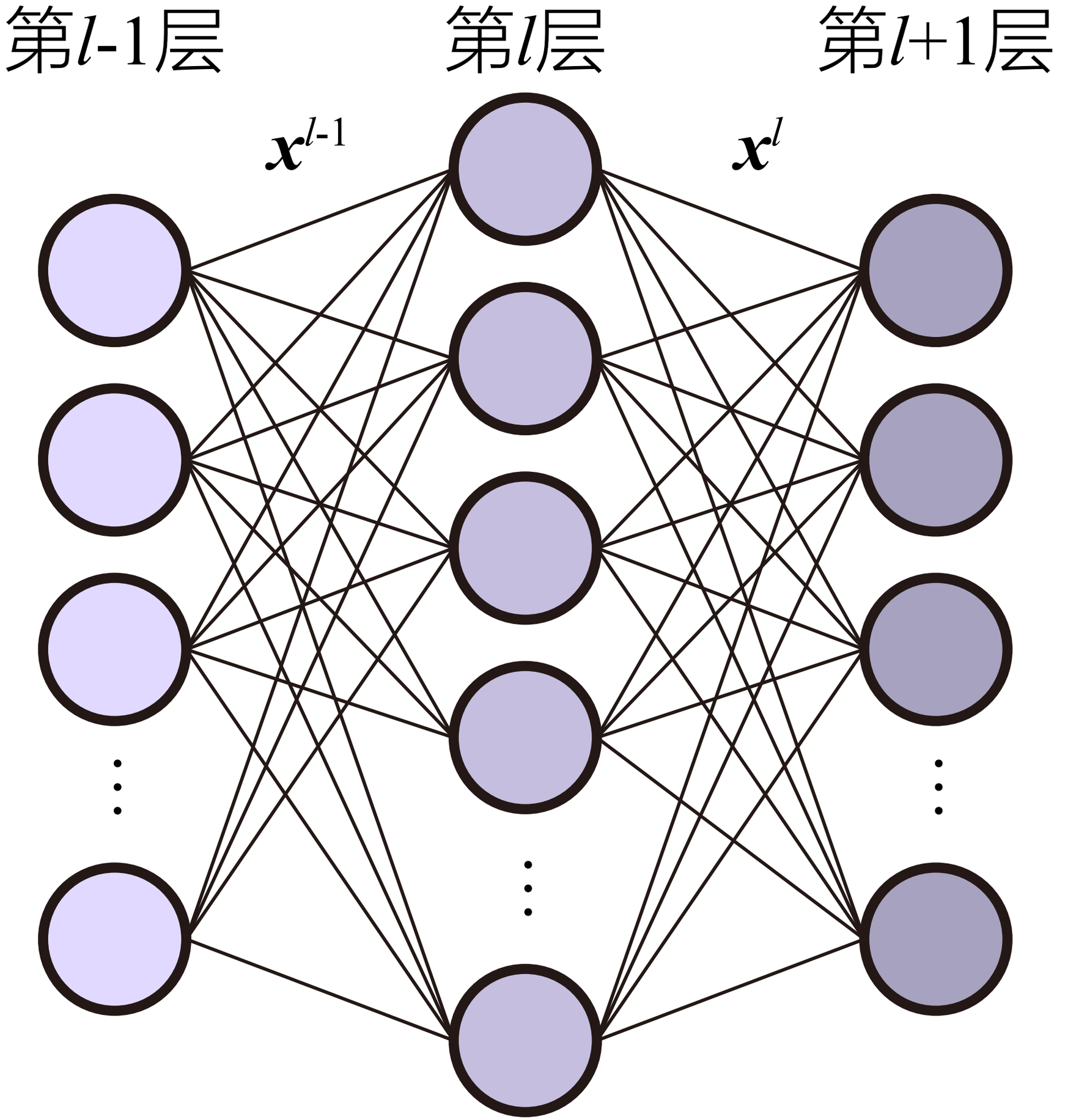
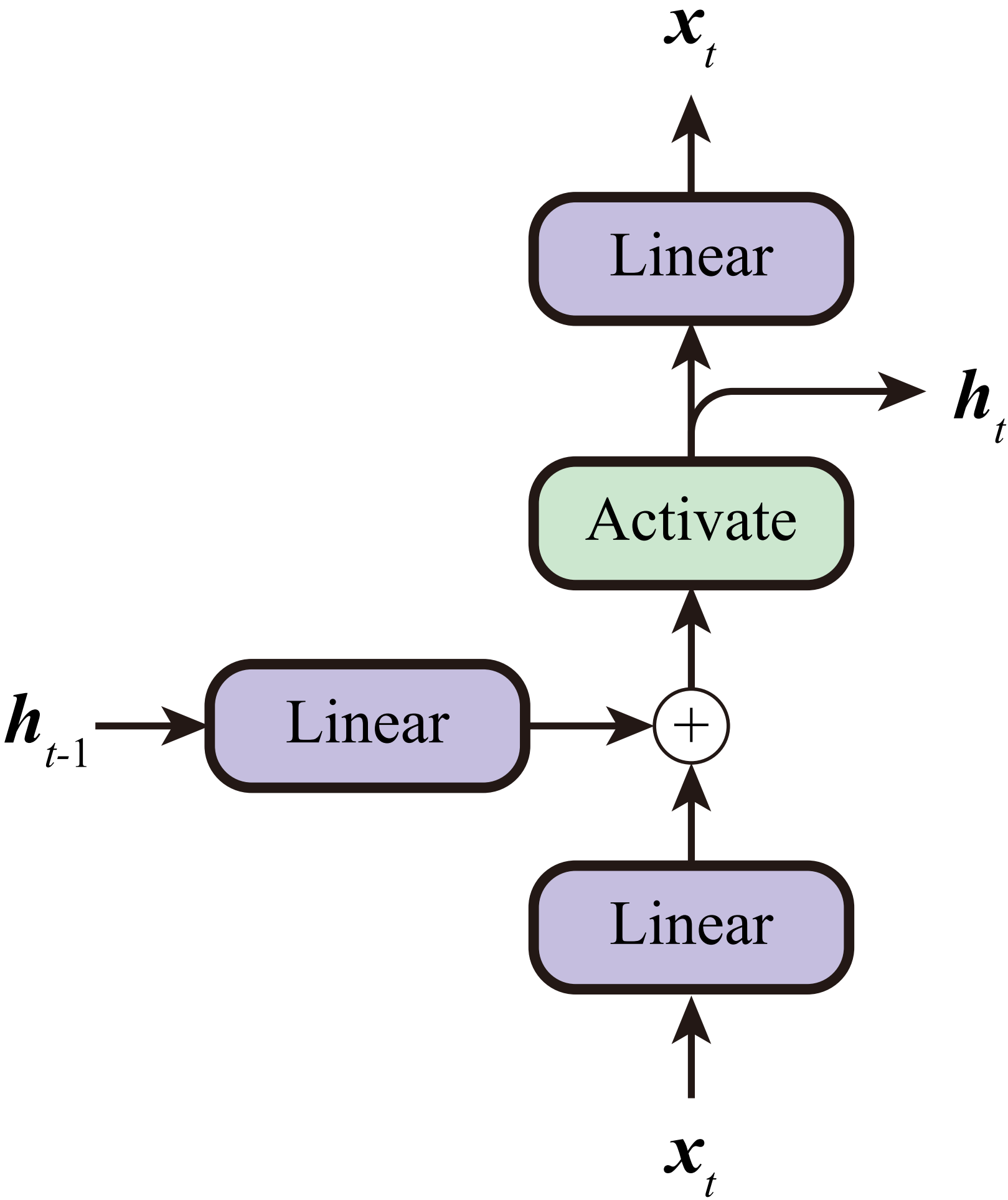
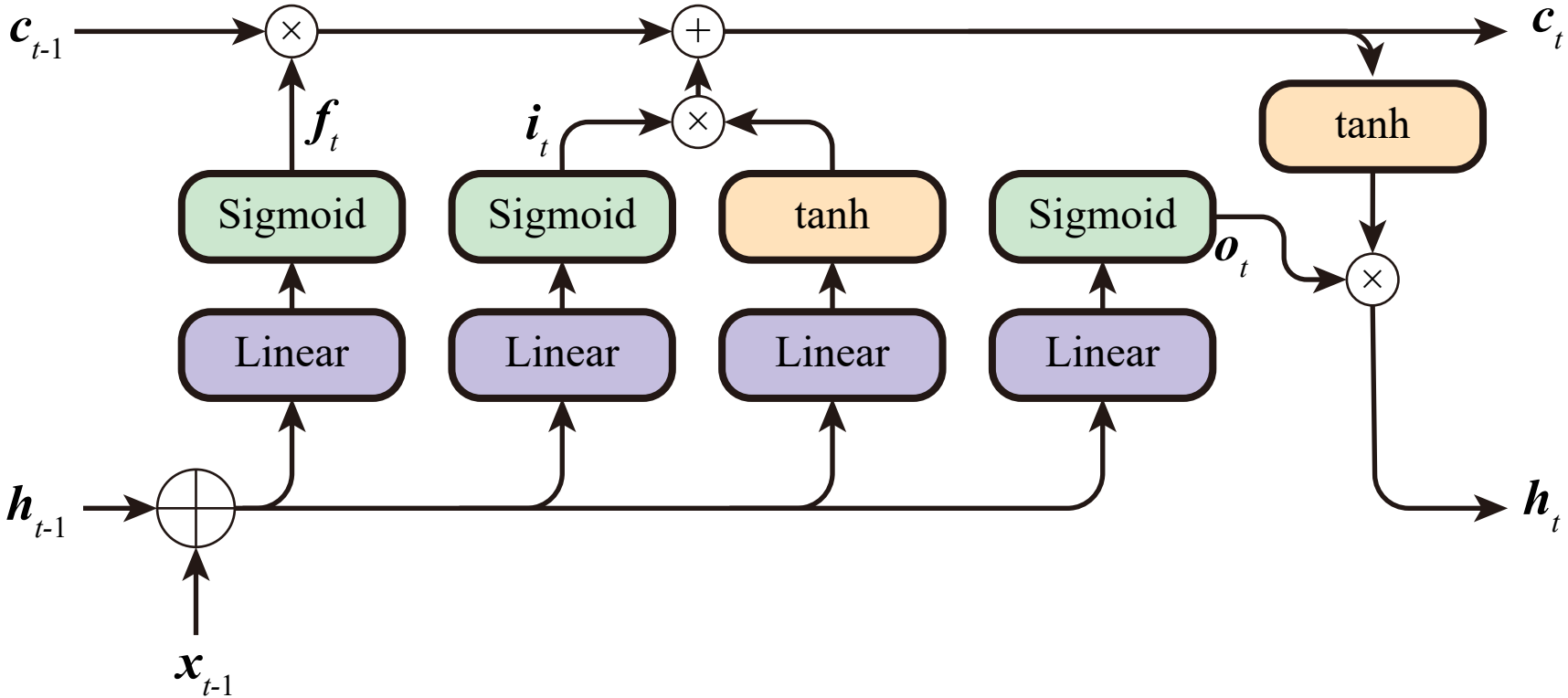
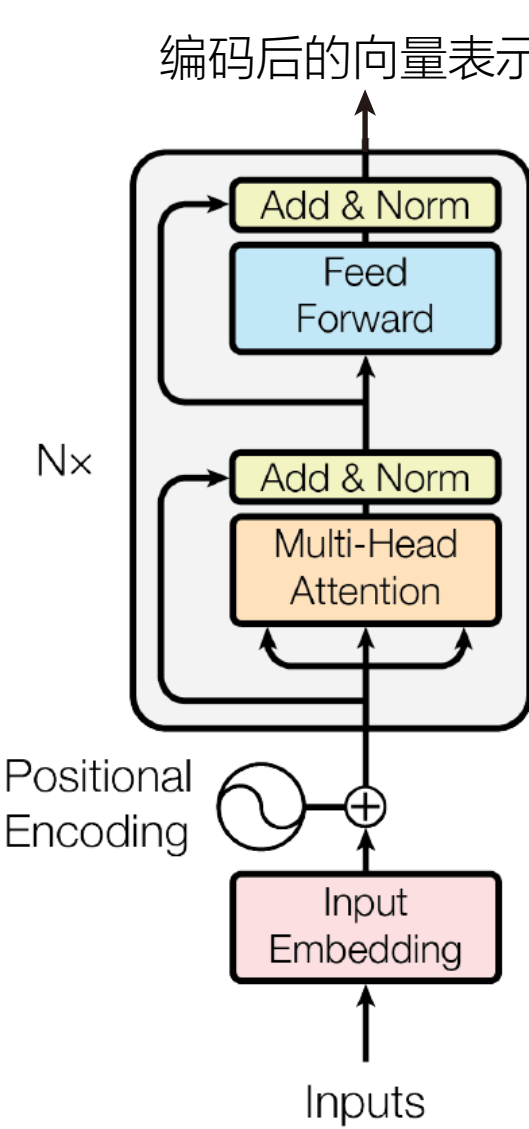
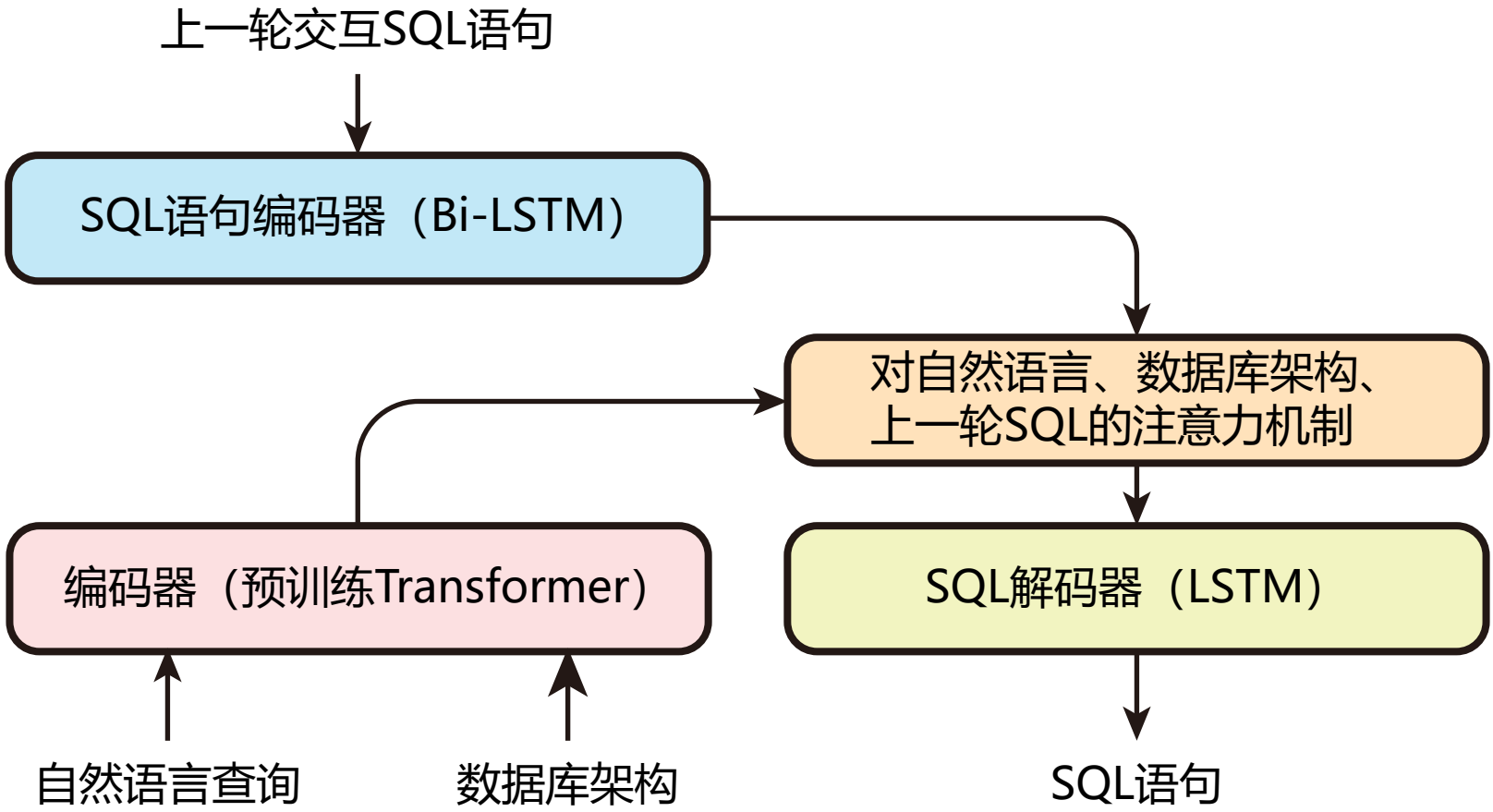

x_1
W_1
x_2
W_2
W_{N-1}
x_{N-1}
W_N
x_N
神经元
σ
z


第l-1层
第l层
第l+1层
$\boldsymbol{x}^{l-1}$
$\boldsymbol{x}^{l}$


x_t
Linear
h_t
Activate
h_{t-1}
Linear
+
Linear
x_t


c_{t-1}
c_t
f_t
i_t
o_t
Sigmoid
Sigmoid
tanh
Sigmoid
tanh
Linear
Linear
Linear
Linear
h_{t-1}
h_t
x_{t-1}

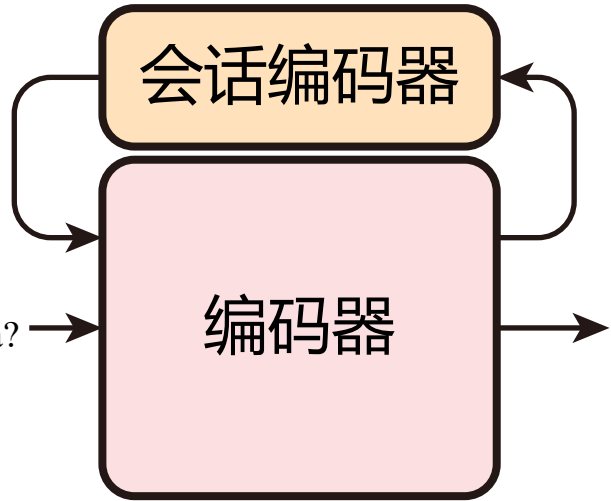
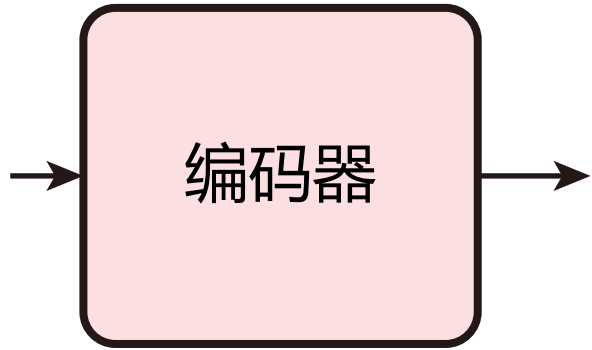

编码后的向量表示
Add & Norm
Feed Forward
Add & Norm
Multi-Head Attention
Nx
Positional Encoding
Input Embedding
Inputs


上一轮交互SQL语句
SQL语句编码器（Bi-LSTM）
对自然语言、数据库架构、
上一轮SQL的注意力机制
编码器（预训练Transformer）
SQL解码器（LSTM）
自然语言查询
数据库架构
SQL语句

h^E
h_1^C
h_2^C
Bi-LSTM^E
Bi-LSTM^C
Bi-LSTM^C
预训练Transformer
Who are all the party hosts? [SEP] table : party ; columns : party id , party theme , ... table : ...

Tell me the sales of HSBC.

How about that of PetroChina?



Tell me the sales of HSBC.
How about that of PetroChina?