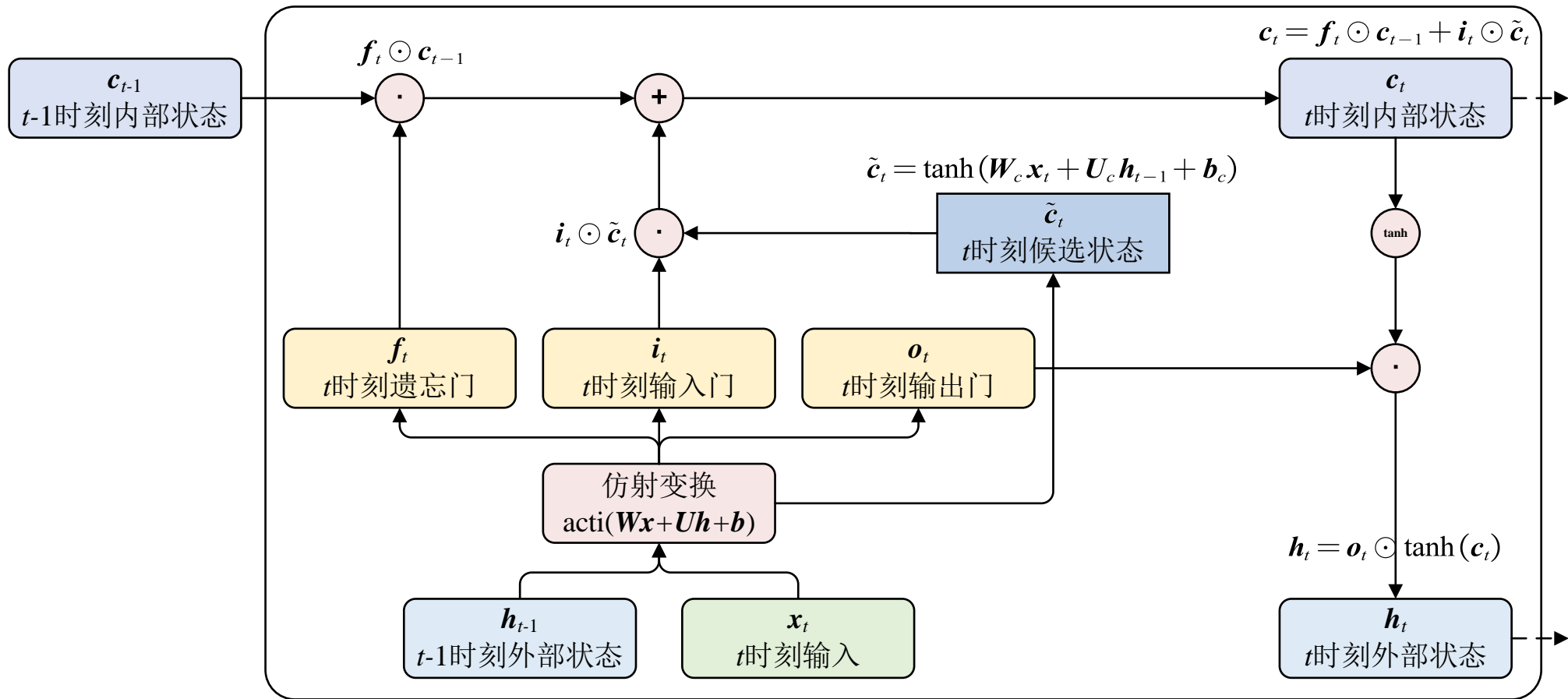
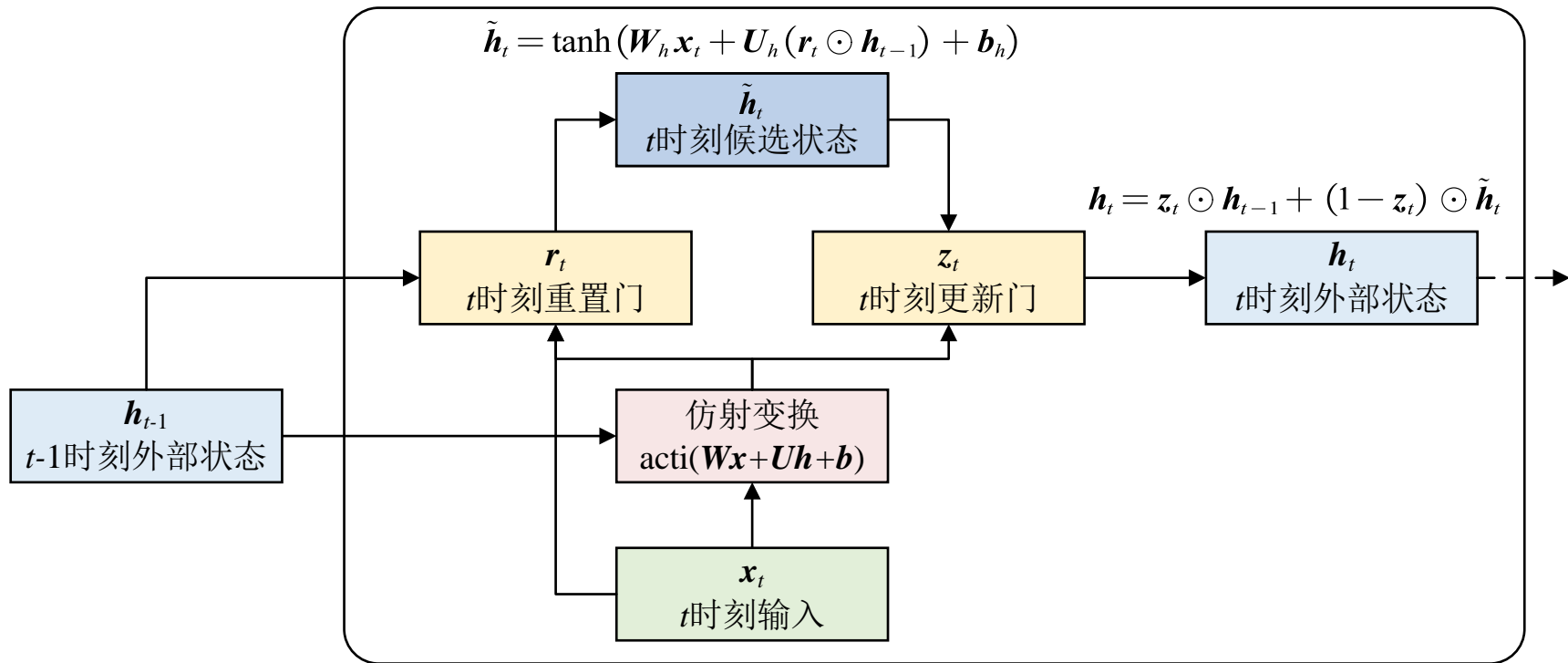
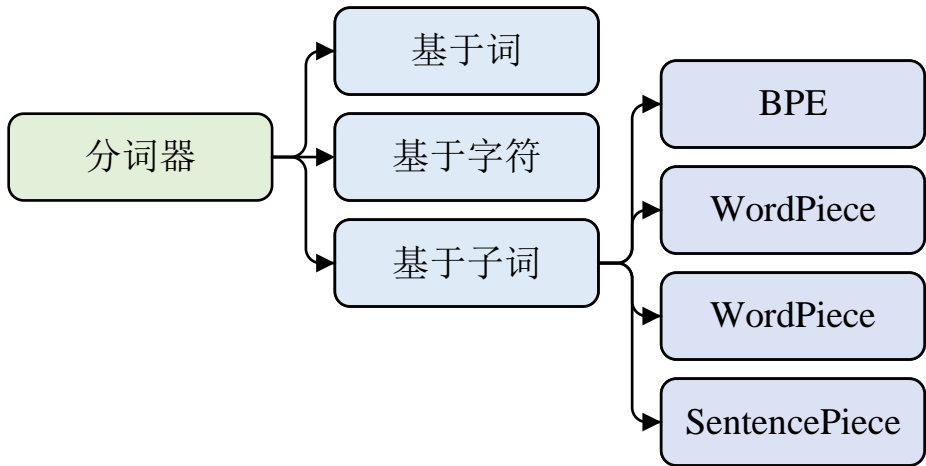


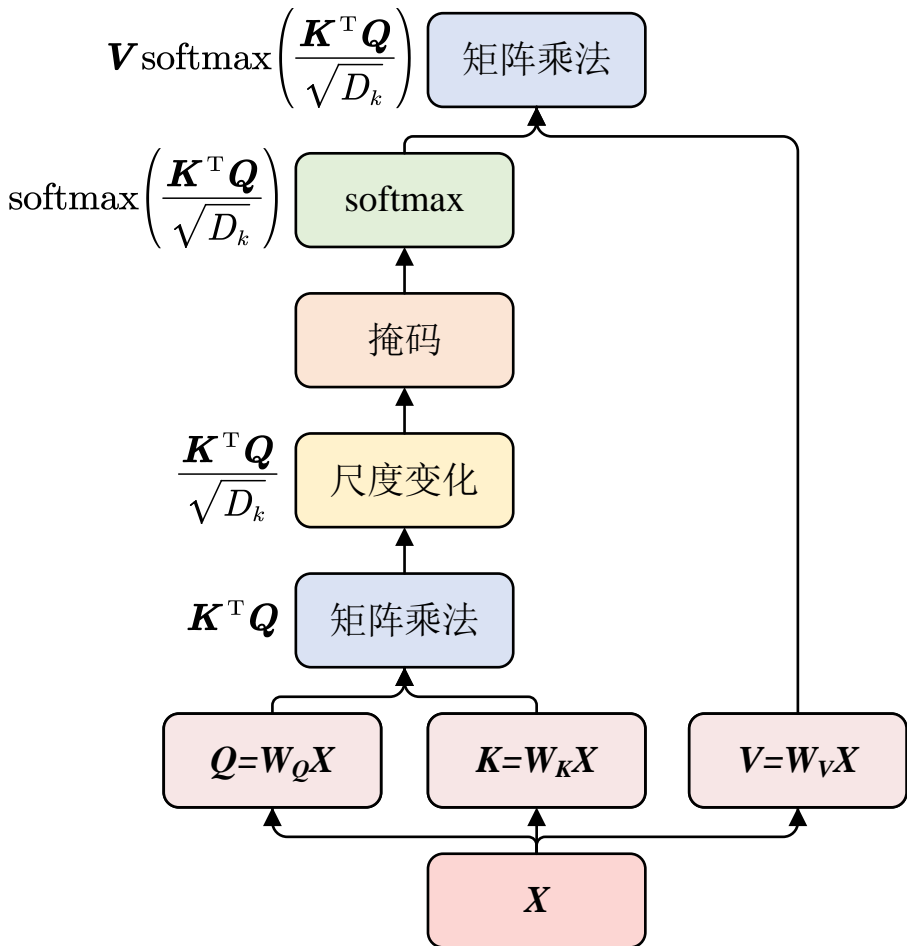
长短期记忆网络 (Long Short-Term Memory Network, LSTM)

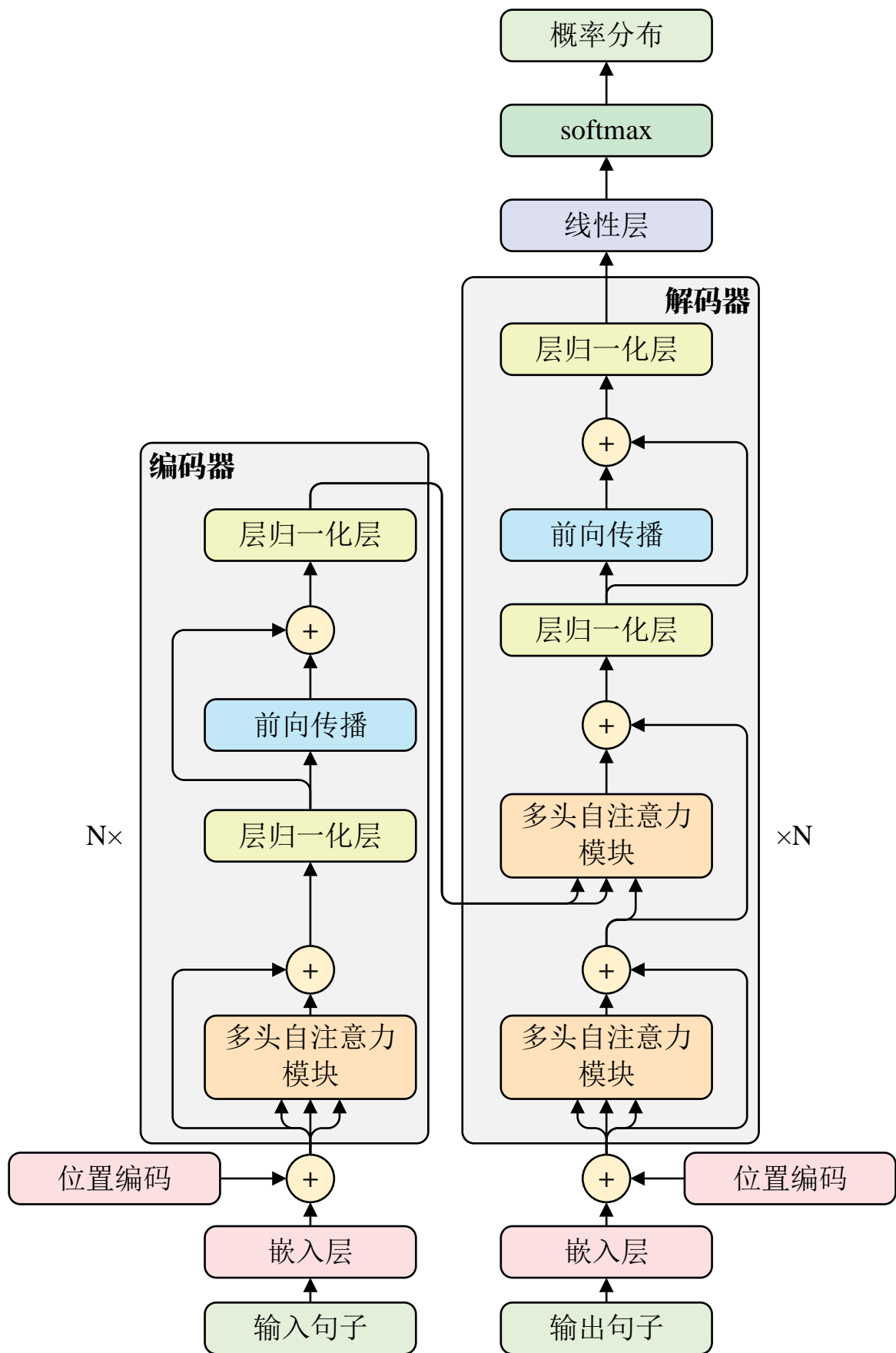


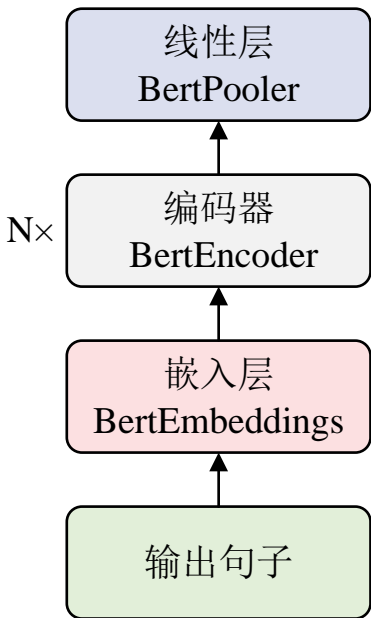
门控循环单元 (Gated Recurrent Unit, GRU)











输入单词

[CLS]

my

dog

is

cute

[SEP]

he

likes

play

##ing

[SEP]

词向量

$E_{[\text{CLS}]}$

E_{my}

E_{dog}

E_{is}

E_{cute}

$E_{[\text{SEP}]}$

E_{he}

E_{likes}

E_{play}

$E_{\text{##ing}}$

$E_{[\text{SEP}]}$

+

+

+

+

+

+

+

+

+

+

+

句子信息

E_A

E_A

E_A

E_A

E_A

E_A

E_B

E_B

E_B

E_B

E_B

+

+

+

+

+

+

+

+

+

+

+

位置信息

E_0

E_1

E_2

E_3

E_4

E_5

E_6

E_7

E_8

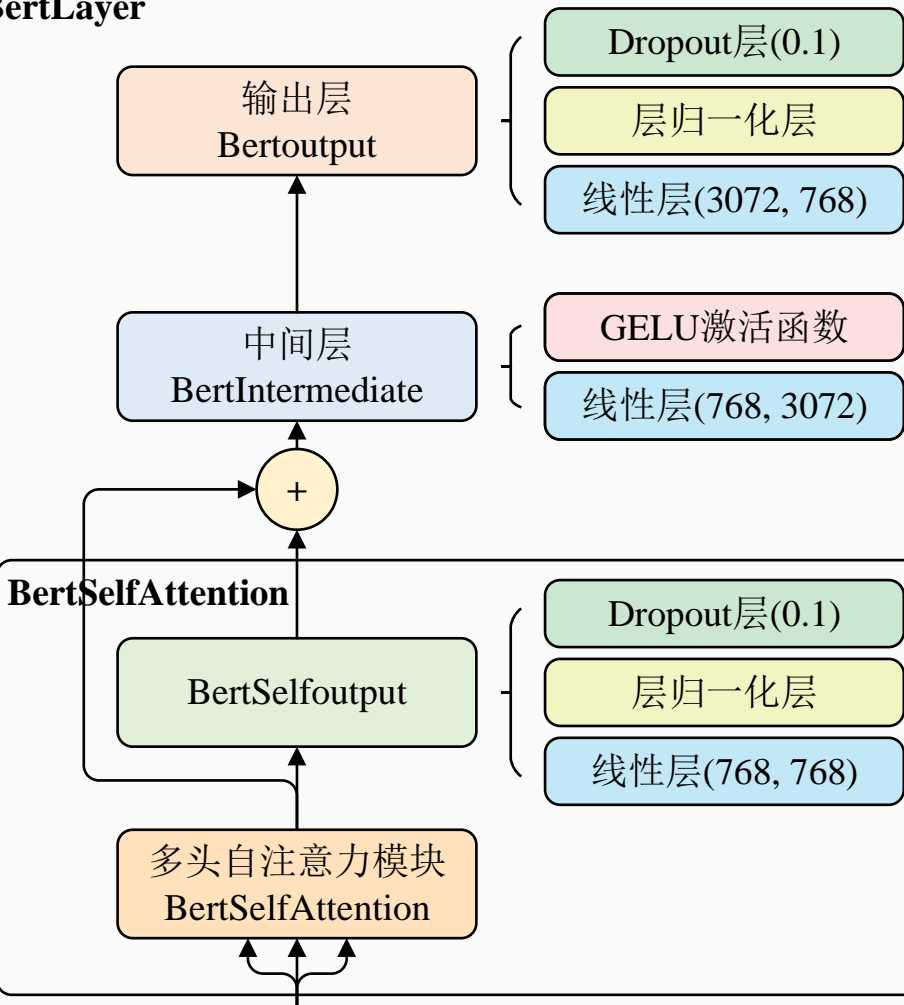
E_9

E_{10}

BertEncoder

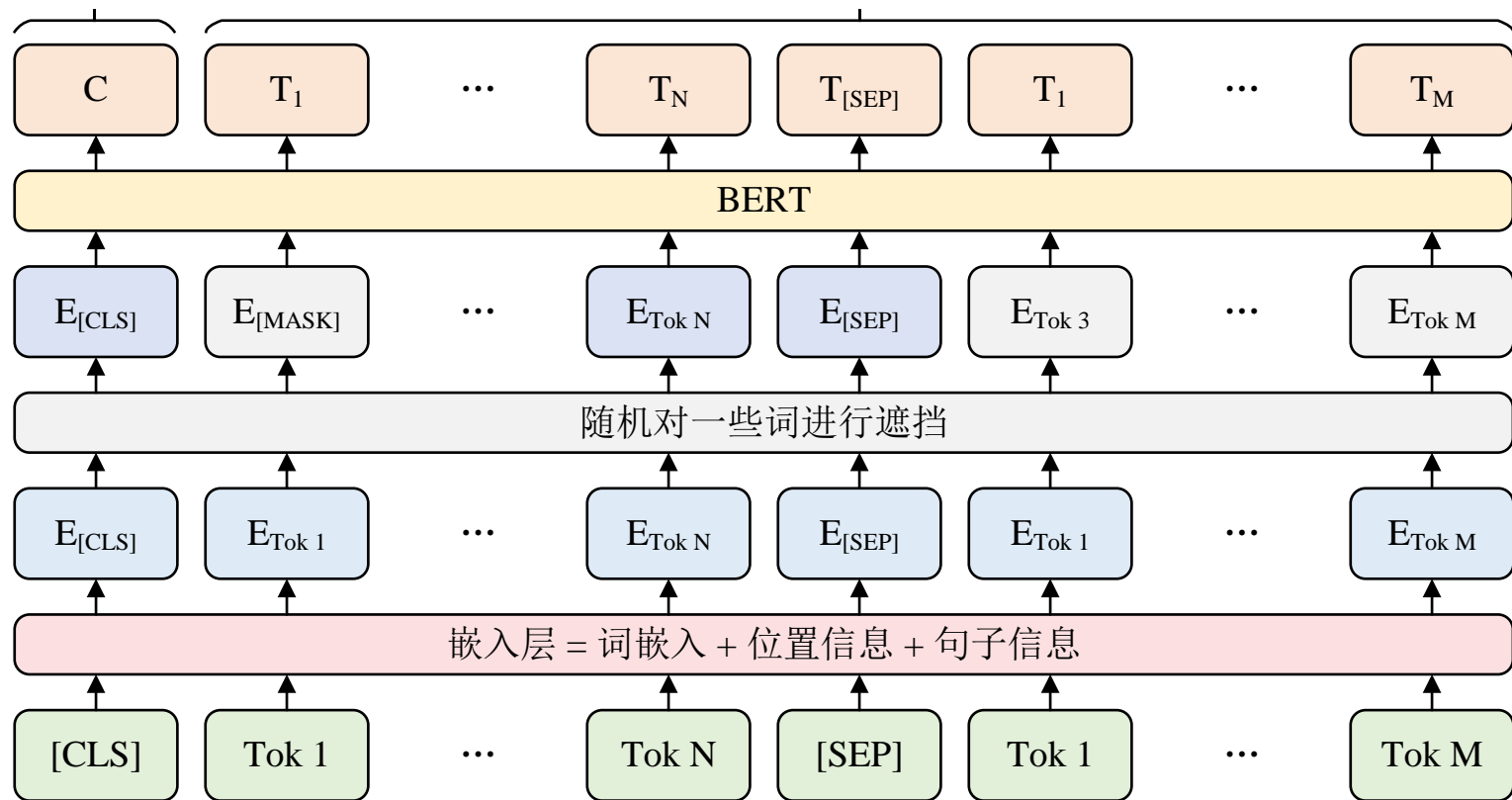
BertLayer

12×



Task#2: IsNext的概率

Task#1: 如果被遮挡了, 预测被遮挡的单词



句子对分类、单句分类

单句标注

问答

