1:BiLSTM+Glove50 0.9676

2:BiLSTM+Glove300 0.9769

3:tf-idf 0.9702

4:TextCNN+FastText 0.9767

5:LSTM+Attention+Glove100 0.9708

6:BiLSTM\*2+Glove50 0.9754

7:BiLSTM\*4+Glove100 0.9669

8:GRU\*2+Glove50 0.9770

9:BiGRU+Glove100 trainable=false 0.9776

10: BiLSTM+BiGRU, Glove200+FastText trainable=False, gradient clip, SpatialDropout1D, last state+gap+gmp 0.9802

11: max\_feature = 50000, max\_len = 400, exclude stopwords 7 epoch 0.9806 lr = 0.0001 8 epoch 0.9807 lr=0.00001 9 epoch early stop 0.9804

Merger: 2,8,9,10,11 = 0.9832