



```
In [57]:
test = pd.read_csv('test.csv')

In [58]:
x1_test = tokenizer.texts_to_sequences(test['title1_en'])
x2_test = tokenizer.texts_to_sequences(test['title2_en'])

x1_test = tf.keras.preprocessing.sequence.pad_sequences(x1_test, maxlen=max_len)
x2_test = tf.keras.preprocessing.sequence.pad_sequences(x2_test, maxlen=max_len)

pred = model.predict([x1_test, x2_test])

2084/2084 [=====] - 11s 5ms/step

In [59]:
test.drop(['tid1', 'tid2'], axis=1, inplace=True)

llabels = {0: 'agreed', 1: 'disagreed', 2: 'unrelated'}

for i in range(len(pred)):
    test.loc[i, 'label'] = llabels[np.argmax(pred[i])]

test.to_csv('results.csv', index=False)
test.head()

Out[59]:
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	id	title1_en	title2_en	label
0	256442	The great coat brother Zhu Zhu Wen, in the man...	Lin xisheng after the birth of "hard milking....	unrelated
1	256443	NASA reveals facts about UFO wreckage found on...	The UFO found in Yuancun, Jiaocheng County, Sh...	unrelated
2	256444	The hollow tomatoes are loaded with hormones.	Li chenfan bingbing home photos, netizen: this...	unrelated
3	256445	Ange Pavilion Geoshui: How accurate is Matrimo...	Master one: the eight-character presumption of...	unrelated
4	256446	A 50-year-old bus-bus blows up an 8-year-old c...	< i > Joe Johnson's disgruntled timing and ord...	unrelated

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In [ ]:
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