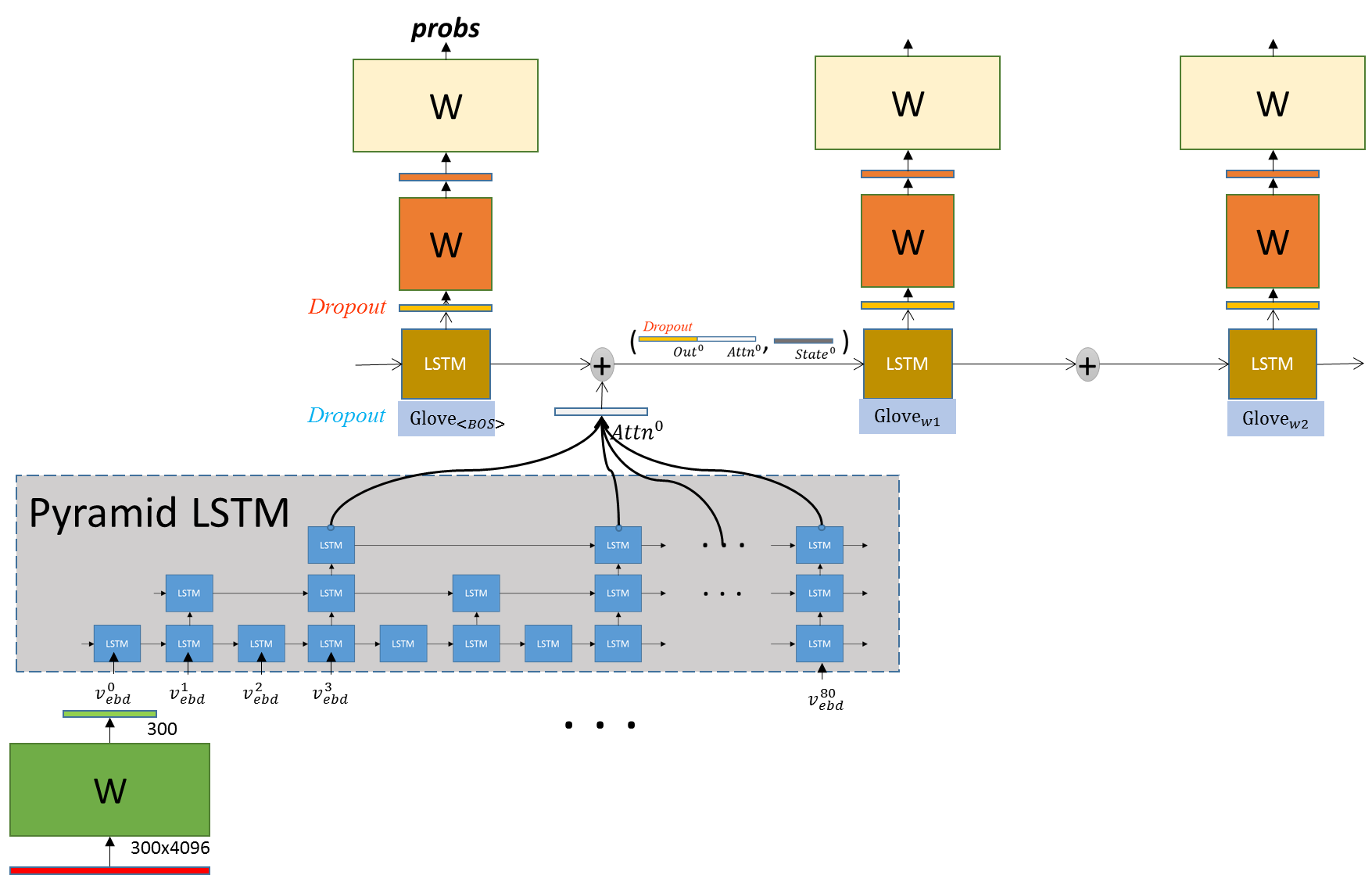
Environment

Linux, Intel i7, GTX 960M(4G memory)

Package: tensorflow, nltk, genism, numpy

Model description

****

glove (<https://nlp.stanford.edu/projects/glove/>)

Performance

基本SV2T 或 Attention: BLEU 0.250

1. Attention + Pyramid LSTM for video part: BLEU 0.275
2. Attention + Pyramid LSTM for video part + Dropout: BLEU 0.315

其他嘗試但無改善,不確定是否為實做問題

1. Schedule rate
2. Beam Search

Experiment settings and results

**# Model Structure**

Hidden\_Size\_per\_Single\_LSTM\_Cell = 300

Basic\_Cell = tf.contrib.rnn.BasicLSTMCell(Hidden\_Size, forget\_bias=1.0)

Pre\_Trained\_Ebd = “Glove”

**# Training**

Train\_Iters = 36000

Batch\_Size = 64

Loss = “Softmax\_Loss”

Optimizer\_Type = “Adam”

Learning\_Rate = 0.001

Learning\_Rate\_Decay\_Step = 24000

Finetune\_Embedding\_Rate = 0.05 \* current\_learning\_rate

**# Results**

**BLEU: 0.313**