

Part 1:

```
accuracy
===== HTK Results Analysis =====
Date: Tue Nov 13 22:10:29 2018
Ref : labels/answer.mlf
Rec : result/result.mlf
----- Overall Results -----
SENT: %Correct=38.54 [H=185, S=295, N=480]
WORD: %Corr=96.61, Acc=74.34 [H=1679, D=13, S=46, I=387, N=1738]
=====
```

Part 2:

```
dsp_hw2 — vim result/accuracy — 80x24
===== HTK Results Analysis =====
Date: Wed Nov 14 11:50:27 2018
Ref : labels/answer.mlf
Rec : result/result.mlf
----- Overall Results -----
SENT: %Correct=87.08 [H=418, S=62, N=480]
WORD: %Corr=97.24, Acc=95.80 [H=1690, D=30, S=18, I=25, N=1738]
=====
```

Part 3:

1. Iterations: 沒有改變(3 次),

Gaussians: “零” 跟 “十” : 16, others : 6

States : 13

2. Changes effect:

Iterations : 這次沒改，但是可想而知隨著次數增加，正確率會提升直到收斂

Gaussians : 個數增加所增加的正確率不明顯，且大概 6-8 的時候會比較高，太多正確率反而下降

States : 從 5 → 10，正確率由 74% → 90 多%

從 10 → 13，正確率由 90 多% → 95.8%

因為 state 增加可以對細節做更佳的偵測，以至於會更精確，但太多 states 的話可能會 overfitting，而且改 proto 會很麻煩，所以 state 足夠就行