R04944016 網媒一 林勁甫 DSP HW3

**(1) What is your environment?**

I run my program on cmlab server(i686-m64)

**(2) How to “make” your program?**

　　I use python file “ZhuYin2Big5.py” to generate the ZhuYin-Big5.map.

Use “make all” to compile mydisambig.cpp

**(3) How to “execute” your program?**

“make map” to generate the ZhuYin-Big5.map

　　“make Result1” to run disambig of srilm-1.5.10,

It will use perl program provided by TA to separate the testdata, and then store them in a new directory “testdata\_sep”. Read in the separated testdata, and output the result to directory “result1”.

“make Result2” to run mydisambig.

Basically, do the same thing as “make Result2”, but use “mydisambig” to generate the result and put them into directory “result2”.

**Note**:

You need to make sure that the directory “testdata”, file “separator\_big5.pl” and ZhuYin-Big5.map is in my directory.

**(4) What have you done?**

　　I use bigram language model and Viterbi algorithm to implement mydisambig.cpp.