Digital Speech Processing Homework 3

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1 Environment

- Ubuntu (i686-m64)

2 How to compile & execute

$ make MACHINE_TYPE=i686-m64 SRIPATH=hometasrilm1.5.10 all
Compile mydisambig.cpp, generate executable files based on machine type

$ make map
generate ZhuYin-Big5.map from Big5-ZhuYin.map

$ make MACHINE_TYPE=i686-m64 SRIPATH=hometasrilm-1.5.10 LM=bigram.lm run
execute mydisambig.cpp on all testdatas and generate result2

$ make clean
Delete the files except source code

3 What I've done

3.1 mapping

Python3 is used for implementing the mapping from Big5-ZhuYin.map to ZhuYin-Big5.map.

3.2 mydidambig

"Ngram.h" and "VocabMap.h" from Srilm are included. With the help of VocabMap, the map constructed based on ZhuYin-Big5.map could be implemented easier. By following the format of the results generated by disambig, I finally decode testdatas using mydisambig successfully.