Digital Speech Processing HW3 Report

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Environment

CPU: Intel i5-3230M 2.60GHz

RAM: 8GB

OS: Ubuntu 18.04

Compiler: g++ 7.3.0

Usage

■ Compile

mapping: make map

mydisambig: make MACHINE_TYPE=<machine_type> SRIPATH=<srilm_path> all

■ Execute

mapping: ./mapping <input> <output>

mydisambig: ./mydisambig <input_text> <map> <language_model>

Description

Mydisambig converts ZhuYin to Chinese character by Viterbi algorithm and has similar efficiency to disambig in srilm package. However, mydisambig only supports bigram. In addition, mydisambig outputs the result to screen by default, which is the same as disambig.