

Report

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For this homework, I implemented mydisambig based on bigram.

The result of mydisambig is exactly the same as the result of disambig, so the corpus may be the same one, and disambig may also be implemented by bigram.

```
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 1_result.txt 1_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 2_result.txt 2_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 3_result.txt 3_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 4_result.txt 4_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 5_result.txt 5_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 6_result.txt 6_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 7_result.txt 7_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 8_result.txt 8_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 9_result.txt 9_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# diff 10_result.txt 10_ans.txt
(srilm) root@7ec48dea039b:~/dsp_hw3/test_ans# vim -R 10_ans.txt
```

However, there are some ZhuYin been decoded into wrong character. It shows the fact that the single best path produced by Viterbi algorithm may not be the path which has the highest probability for all possible paths.