# LING 570 – HW5

## Q4

| lambda_1 | lambda_2 | lambda_3 | perplexity |
|---|---|---|---|
| 0.05 | 0.15 | 0.8 | 4.63943786747175 |
| 0.1 | 0.1 | 0.8 | 5.65947890699165 |
| 0.2 | 0.3 | 0.5 | 15.3211459414062 |
| 0.2 | 0.5 | 0.3 | 22.8324759249076 |
| 0.2 | 0.7 | 0.1 | 34.0263031796194 |
| 0.2 | 0.8 | 0 | 41.5380061965061 |
| 1.0 | 0 | 0 | 998.672222228644 |

*End of HW5  – submitted by Wee Teck Tan*

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*Course Name: LING 570*