

NLP Homework 2, Part 3

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1 SPELL CHECKING

By few change in edit distance function of part 1, we can add reversal support to this algorithm(a something like part 4). After this, we can compute $P(word)$ from variances files by division of count by number of words(sum count of dictionary). After compute $P(word) * count(mistype)$ for all correction candidates, we can suggest maximum. we can find all candidate with edit distance function. here is my result for some words:

```
print spell('thek')
print spell('natura')
print spell('natral')

('the')
('natural')
('natural')
```