MIDS W205

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| **Lab #** | 10 | **Lab Title** | OpenRefine -- Introduction |
| **Related Module(s)** | 10 | **Goal** | Get you started on OpenRefine and Edit Distance |
| **Last Updated** | 9/27/15 | **Expected duration** | 60 minutes |

## Calculation: gumbarrel v.s gunbarell

Answer on calculation.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  |  | G | U | M | B | A | R | R | E | L |
| 1 |  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 2 | G | 1 | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 3 | U | 2 | 1 | 0 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 4 | N | 3 | 2 | 1 | 1 | 3 | 4 | 5 | 6 | 7 | 8 |
| 5 | B | 4 | 3 | 2 | 2 | 1 | 3 | 4 | 5 | 6 | 7 |
| 6 | A | 5 | 4 | 3 | 3 | 3 | 1 | 3 | 4 | 5 | 6 |
| 7 | R | 6 | 5 | 4 | 4 | 4 | 3 | 1 | 3 | 4 | 5 |
| 8 | E | 7 | 6 | 5 | 5 | 5 | 4 | 3 | 2 | 3 | 4 |
| 9 | L | 8 | 7 | 6 | 6 | 6 | 5 | 4 | 4 | 3 | 3 |
| 10 | L | 9 | 8 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 3 |

>>> from Levenshtein import \*

>>> distance("GUNBARELL","GUMBARREL")

3

>>> distance("GUMBARREL","GUNBARELL")

3

SUBMISSION 3: submit a representation of the resulting matrix from the leveshtein edit distance calculation. The resulting value should be correct.