## Levenshtein example

-	G	U	М	В	0
0	1	2	3	4	5
1	0	1	2	3	4
2	1	1	2	3	4
3	2	2	1	2	3
4	3	3	2	1	2
5	4	4	3	2	1
6	5	5	4	3	2
	1 2 3 4 5	0 1 1 0 2 1 3 2 4 3 5 4	0 1 2 1 0 1 2 1 1 3 2 2 4 3 3 5 4 4	0 1 2 3 1 0 1 2 2 1 1 2 3 2 2 1 4 3 3 2 5 4 4 3	0 1 2 3 4 1 0 1 2 3 2 1 1 2 3 3 2 2 1 2 4 3 3 2 1 5 4 4 3 2

## Two main scenarios:

- 1) The two characters we compare match: we copy the left diagonal element
- The two characters we compare match: we copy the left diagonal clement
  The two characters we compare do not match:

  A. compare the element to its left, diagonal left, and above the current cell
  B. take the smallest value and add 1 to it
- 3) Repeat this process for all characters in the matrix
  4) The final result is the last value of the last row (marked in yellow here)