

$$\text{levenshtein}(a, b) = \begin{cases} |a| & \text{if } |b| = 0, \\ |b| & \text{if } |a| = 0, \\ \text{levenshtein}(a[: -1], b[: -1]) & \text{if } a[-1] = b[-1], \\ 1 + \min \begin{cases} \text{levenshtein}(a[: -1], b) \\ \text{levenshtein}(a, b[: -1]) \\ \text{levenshtein}(a[: -1], b[: -1]) \end{cases} & \text{otherwise} \end{cases}$$

	#	a	m	o	e	b	a
#							
z							
e							
b							
r							
a							

	#	a	m	o	e	b	a
#	0 → 1 → 2 → 3 → 4 → 5 → 6						
z	1	1 → 2 → 3 → 4 → 5 → 6					
e	2	2	2 → 3 → 4 → 5				
b	3	3	3	3 → 4 → 5			
r	4	4	4	4	4 → 5		
a	5	4 → 5 → 6					

