

Edit Distance Worksheet

The purpose of this exercise is to get you comfortable with the notation used in the edit distance problem and with the recursive formulation.

Given source string $s = \texttt{kasparov}$ and target string $t = \texttt{karpov}$. Note that the length of s (denoted $|s|$) is 8 and $|t| = 6$.

1. What does the function call `string_compare(s, t, 2, 2)` return? (**Hint:** you should be able to answer this by visually inspecting the two strings.)
2. Suppose that function `string_compare` returns the following values for three different combinations of i and j :

i	j	output
8	5	4
7	6	4
7	5	3

Use this to determine the output of `string_compare(s, t, 8, 6)`.