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 = **kasparov** and target string t = **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.)

    0 -   zero

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

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

نى	م	هى	ه	
ه	١	٢	٢	٤
١	٤	١	٢	٢
٢	٢	٢	١	٢
٢	٢	٢	٢	١
٤	٤	٢	٢	٢