**How Does It Works?**

As an example, we will find “abcd” into the string “eovadabcdftoy.”

The first step is calculate the value of each letter of the substring to create the Bad Match Table, using this formula,

Value = length of substring - index of each letter in the substring - 1

Note that the value of the last letter and other letters that are not in the substring will be the length of the substring

Finally, the value should be assigned to each letter in the Bad Match Table. After calculating the value, your table will look like this,

Table

Description automatically generated

After that, you can compare the substring and the string. You start from the index of the end letter in the substring, in this case the letter "d."

* If the letter matches, then compare with the preceding letter, "c" in this case.
* If it doesn't match, check its value in the Bad Match Table.
* Then, skip the number of spaces that the table value indicates.

Repeat this steps until all the letters match.

Here's another example,

A picture containing table

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