## RxFind

## \%RxFind function



```
;looking for an expression "some"
%RxFind("text some text", "some")
                                    ;returns 6
;looking for an expression "some" at the beginning
%RxFind("text some text", "^some") ;returns
0 - expression "some" is not at the beginning
;looking for an expression "text" at the beginning
%RxFind("text some text", "^text")
1 - expression "text" is at the beginning
;looking for an expression "text" at the end
%RxFind("text some text", "text$")
;returns
13 - expression "text" is at the end (starts at the position of 13)
;looking for an expression "xt" or an expression "so"
%RxFind("text some text", "xt | so") ;returns 3 -
expression "xt" was found first and starts at the position of 3
;looking for an expression "some" at the beginning or the expression
"text" at the end
%RxFind("text some text", "^some| text$") ;returns 12 - the
entered string ends with an expression "text" and starts at the position
of }1
ilooking for a character in range "a-d"
%RxFind("text some text", "[a-d]") ;returns
9 - character 'a' is located on that position
;looking for a character out of range "a-d"
%RxFind("text some text", "[^a-d]") ;
returns 1 - character 'a' is located on that position
;looking for 'o' character sequence 2 times in a row
%RxFind("text soome text", "e{2}") ;returns
7
;looking for an expression "oper.tor", ("." means one occurrence of any
character)
%RxFind("operator operaaaator", "oper.tor") ;returns 1 -
matching expression starts at this position
;looking for an expression "oper.*tor", (".*" means 0 or more occurrences
of any character), while the entered string is searched from the position
of 10
%RxFind("operator operaaaator", "oper.*tor", 10, _last) ;
returns 10 - matching expression starts at this position, parameter _last
= 20
;looking for an expression "oper.+tor", (".+" means 1 or more occurrences
of any character), while the entered string is searched from the position
of 10
%RxFind("operator operaaaator", "oper.+tor", 10, _last) ;
returns 10 - matching expression starts at this position, parameter _last
= 20
```

| Regular <br> expression | Meaning |
| :--- | :--- |
| expression | Searches for the specified expression in a string. |
| ^expression | Searches for the specified expression at the beginning of the string. |
| expression\$ | Searches for the specified expression at the end of the string. |
| expression1 । <br> expression2 | Searches for one of the entered expressions. |


| ^expression \| <br> expression \$ | Searches for an expression at the beginning or end of the string. |
| :--- | :--- |
| [a-d] | Searches for characters in the specified range (in this case, characters a,b,c,d). |
| [^a-d] | Searches for all characters except the characters in the specified range (in this case, <br> all characters except a,b,c,d). |
| $\mathrm{a}\{5\}$ | Searches for 'a' character sequence 5 times in a row. |
| oper.tor | Searches for "oper.tor", where . is replaced with occurrence of any single character <br> (finds expressions like operator, operxtor, ...). |
| oper.*tor | Searches for "oper.*tor", where .* is replaced with 0 or more occurrences of any <br> character (finds expressions like opertor, operator, operaaaaator, ...). |
| oper.+tor | Searches for "oper.+tor", where .+ is replaced with 1 or more occurrences of any <br> character (does not find expression opertor). |

(i) Related pages:

Implemented functions
Function arguments - types

