

## Ceci est le fichier de test de xstring.

Toutes les situations ne sont pas envisagées, mais au moins un grand nombre ! Les macros sont examinées dans l'ordre logique du code.

Lorsque le résultat contient des espaces ou peut conduire à des doutes, il sera entouré de «|», étant entendu que «||» est une chaîne vide.

### Le test \IfSubStr

```
\IfSubStr{abcdef}{cd}{vrai}{faux} vrai
\IfSubStr{a b c d}{b c}{vrai}{faux} vrai
\IfSubStr{a b c d}{bc}{vrai}{faux} faux
\IfSubStr{abcdef}{}{vrai}{faux} faux
\IfSubStr{a}{a}{vrai}{faux} vrai
\IfSubStr{aaaa}{aa}{vrai}{faux} vrai
\IfSubStr{a}{aa}{vrai}{faux} faux
\IfSubStr{éâëï}{à}{vrai}{faux} vrai
\IfSubStr{éâëï}{ù}{vrai}{faux} faux
\IfSubStr{ÊÃÇ}{Ç}{vrai}{faux} vrai
\IfSubStr{a}{}{vrai}{faux} faux
\IfSubStr{}{a}{vrai}{faux} faux
\IfSubStr{}{}{vrai}{faux} faux
\IfSubStr[2]{abaca}{a}{vrai}{faux} vrai
\IfSubStr[3]{abaca}{a}{vrai}{faux} vrai
\IfSubStr[4]{abaca}{a}{vrai}{faux} faux
\IfSubStr[-2]{abaca}{a}{vrai}{faux} faux
```

### Le test \IfBeginWith

```
\IfBeginWith{abcdef}{adc}{vrai}{faux} faux
\IfBeginWith{abcdef}{abcd}{vrai}{faux} vrai
\IfBeginWith{ a b c }{ a}{vrai}{faux} vrai
\IfBeginWith{a b c d}{ab}{vrai}{faux} faux
\IfBeginWith{a}{a}{vrai}{faux} vrai
\IfBeginWith{a}{aa}{vrai}{faux} faux
\IfBeginWith{éâëï}{è}{vrai}{faux} faux
\IfBeginWith{éâëï}{éà}{vrai}{faux} vrai
\IfBeginWith{ÊÃÇ}{Ê}{vrai}{faux} vrai
\IfBeginWith{a}{}{vrai}{faux} faux
\IfBeginWith{}{a}{vrai}{faux} faux
\IfBeginWith{}{}{vrai}{faux} faux
```

### Le test \IfEndWith

```
\IfEndWith{abcdef}{ab}{vrai}{faux} faux
\IfEndWith{abcdef}{f}{vrai}{faux} vrai
\IfEndWith{ a b c }{c}{vrai}{faux} faux
\IfEndWith{ a b c }{ }{vrai}{faux} vrai
\IfEndWith{a}{a}{vrai}{faux} vrai
\IfEndWith{a}{aa}{vrai}{faux} faux
\IfEndWith{éâëï}{è}{vrai}{faux} faux
\IfEndWith{éâëï}{ï}{vrai}{faux} vrai
\IfEndWith{ÊÃÇ}{Ç}{vrai}{faux} vrai
\IfEndWith{a}{}{vrai}{faux} faux
\IfEndWith{}{a}{vrai}{faux} faux
\IfEndWith{}{}{vrai}{faux} faux
```

### Le test \IfSubStrBefore

```
\IfSubStrBefore{abcdef}{b}{e}{vrai}{faux} vrai
\IfSubStrBefore{abcdef}{e}{c}{vrai}{faux} faux
\IfSubStrBefore{ a b c }{ }{b}{vrai}{faux} vrai
\IfSubStrBefore{ a b c }{ b}{c}{vrai}{faux} vrai
\IfSubStrBefore{abcdef}{z}{a}{vrai}{faux} faux
\IfSubStrBefore{abcdef}{y}{z}{vrai}{faux} faux
\IfSubStrBefore{abcdef}{a}{z}{vrai}{faux} faux
\IfSubStrBefore{aaa}{a}{aa}{vrai}{faux} faux
```

```

\IfSubStrBefore{abcdef}{a}{a}{vrai}{faux} faux
\IfSubStrBefore{éàèï}{à}{i}{vrai}{faux} vrai
\IfSubStrBefore{éàèï}{é}{à}{vrai}{faux} vrai
\IfSubStrBefore{ÉÀÇ}{Ç}{É}{vrai}{faux} faux
\IfSubStrBefore{a}{a}{a}{vrai}{faux} faux
\IfSubStrBefore{}{a}{b}{vrai}{faux} faux
\IfSubStrBefore{a}{}{a}{vrai}{faux} faux
\IfSubStrBefore{}{a}{a}{vrai}{faux} faux
\IfSubStrBefore{}{}{}{vrai}{faux} faux
\IfSubStrBefore[1,1]{abacada}{d}{a}{vrai}{faux} faux
\IfSubStrBefore[1,2]{abacada}{d}{a}{vrai}{faux} faux
\IfSubStrBefore[1,3]{abacada}{d}{a}{vrai}{faux} faux
\IfSubStrBefore[1,4]{abacada}{d}{a}{vrai}{faux} vrai
\IfSubStrBefore[2,1]{maman papa}{a}{p}{vrai}{faux} vrai
\IfSubStrBefore[2,2]{maman papa}{a}{p}{vrai}{faux} vrai
\IfSubStrBefore[4,2]{maman papa}{a}{p}{vrai}{faux} faux

```

## Le test \IfStrBehind

```

\IfSubStrBehind{abcdef}{b}{e}{vrai}{faux} faux
\IfSubStrBehind{abcdef}{e}{c}{vrai}{faux} vrai
\IfSubStrBehind{ a b c }{ }{b}{vrai}{faux} faux
\IfSubStrBehind{ a b c }{ c }{ a }{vrai}{faux} vrai
\IfSubStrBehind{abcdef}{z}{a}{vrai}{faux} faux
\IfSubStrBehind{abcdef}{y}{z}{vrai}{faux} faux
\IfSubStrBehind{abcdef}{a}{z}{vrai}{faux} faux
\IfSubStrBehind{aaa}{a}{aa}{vrai}{faux} faux
\IfSubStrBehind{abcdef}{a}{a}{vrai}{faux} faux
\IfSubStrBehind{éàèï}{i}{à}{vrai}{faux} vrai
\IfSubStrBehind{éàèï}{à}{é}{vrai}{faux} vrai
\IfSubStrBehind{ÉÀÇ}{À}{Ç}{vrai}{faux} faux
\IfSubStrBehind{a}{a}{a}{vrai}{faux} faux
\IfSubStrBehind{}{a}{b}{vrai}{faux} faux
\IfSubStrBehind{a}{}{a}{vrai}{faux} faux
\IfSubStrBehind{}{a}{a}{vrai}{faux} faux
\IfSubStrBehind{}{}{}{vrai}{faux} faux
\IfSubStrBehind[1,1]{abacada}{c}{a}{vrai}{faux} vrai
\IfSubStrBehind[1,2]{abacada}{c}{a}{vrai}{faux} vrai
\IfSubStrBehind[1,3]{abacada}{c}{a}{vrai}{faux} faux
\IfSubStrBehind[2,1]{maman papa}{a}{p}{vrai}{faux} faux
\IfSubStrBehind[3,1]{maman papa}{a}{p}{vrai}{faux} vrai
\IfSubStrBehind[3,2]{maman papa}{a}{p}{vrai}{faux} faux
\IfSubStrBehind[4,2]{maman papa}{a}{p}{vrai}{faux} vrai

```

## La macro \StrBefore

```

\StrBefore{abcdef}{e} abc
\StrBefore{abcdef}{a} ||
\StrBefore{abcdef}{z} ||
\StrBefore{a b c d}{c} |a b |
\StrBefore{a b c d}{ } |a|
\StrBefore[2]{a b c d}{ } |a b|
\StrBefore[3]{a b c d}{ } |a b c|
\StrBefore[9]{a b c d}{ } ||
\StrBefore[-7]{a b c d}{ } |a|
\StrBefore{abcdef}{Z} ||
\StrBefore{éàèï}{é} éà
\StrBefore[2]{étété}{é} ét
\StrBefore{ÉÀÇ}{À} É
\StrBefore[1]{aaaaaa}{aa} ||
\StrBefore[2]{aaaaaa}{aa} aa
\StrBefore[3]{aaaaaa}{aa} aaaa
\StrBefore[4]{aaaaaa}{aa} ||
\StrBefore{a}{} ||
\StrBefore{}{a} ||
\StrBefore{}{} ||

```

Mêmes exemples avec l'argument optionnel :

```

\StrBefore{abcdef}{e}[\aa]\aa abc
\StrBefore{abcdef}{a}[\aa]\aa ||
\StrBefore{abcdef}{z}[\aa]\aa ||
\StrBefore{a b c d}{c}[\aa]\aa |a b |
\StrBefore{a b c d}{ }[\aa]\aa |a|
\StrBefore[2]{a b c d}{ }[\aa]\aa |a b|
\StrBefore[3]{a b c d}{ }[\aa]\aa |a b c|
\StrBefore[9]{a b c d}{ }[\aa]\aa ||
\StrBefore[-7]{a b c d}{ }[\aa]\aa |a|
\StrBefore{abcdef}{Z}[\aa]\aa ||
\StrBefore{éàèï}{é}[\aa]\aa éà
\StrBefore[2]{étété}{é}[\aa]\aa ét
\StrBefore{ÉÀÇ}{À}[\aa]\aa É
\StrBefore[1]{aaaaaa}{aa}[\aa]\aa ||
\StrBefore[2]{aaaaaa}{aa}[\aa]\aa aa
\StrBefore[3]{aaaaaa}{aa}[\aa]\aa aaaa
\StrBefore[4]{aaaaaa}{aa}[\aa]\aa ||
\StrBefore{a}{ }[\aa]\aa ||
\StrBefore{}{a}[\aa]\aa ||
\StrBefore{}{ }[\aa]\aa ||

```

## La macro \StrBehind

```

\StrBehind{abcdef}{e} def
\StrBehind{abcdef}{a} |bcdef|
\StrBehind{abcdef}{z} ||
\StrBehind{a b c d}{c} |d|
\StrBehind{a b c d}{ } |b c d|
\StrBehind[2]{a b c d}{ } |c d|
\StrBehind[3]{a b c d}{ } |d|
\StrBehind[9]{a b c d}{ } ||
\StrBehind[-7]{a b c d}{ } |b c d|
\StrBehind{abcdef}{Z} ||
\StrBehind{éàèï}{é} i
\StrBehind{ÉÀÇ}{À} Ç
\StrBehind[1]{aaaaaa}{aa} aaaa
\StrBehind[2]{aaaaaa}{aa} aa
\StrBehind[3]{aaaaaa}{aa} ||
\StrBehind[4]{aaaaaa}{aa} ||

```

Mêmes exemples avec l'argument optionnel :

```

\StrBehind{abcdef}{e}[\aa]\aa def
\StrBehind{abcdef}{a}[\aa]\aa |bcdef|
\StrBehind{abcdef}{z}[\aa]\aa ||
\StrBehind{a b c d}{c}[\aa]\aa |d|
\StrBehind{a b c d}{ }[\aa]\aa |b c d|
\StrBehind[2]{a b c d}{ }[\aa]\aa |c d|
\StrBehind[3]{a b c d}{ }[\aa]\aa |d|
\StrBehind[9]{a b c d}{ }[\aa]\aa ||
\StrBehind[-7]{a b c d}{ }[\aa]\aa |b c d|
\StrBehind{abcdef}{Z}[\aa]\aa ||
\StrBehind{éàèï}{é}[\aa]\aa i
\StrBehind{ÉÀÇ}{À}[\aa]\aa Ç
\StrBehind[1]{aaaaaa}{aa}[\aa]\aa aaaa
\StrBehind[2]{aaaaaa}{aa}[\aa]\aa aa
\StrBehind[3]{aaaaaa}{aa}[\aa]\aa ||
\StrBehind[4]{aaaaaa}{aa}[\aa]\aa ||
\StrBehind{a}{ }[\aa]\aa ||
\StrBehind{}{a}[\aa]\aa ||
\StrBehind{}{ }[\aa]\aa ||

```

## La macro \StrBetween

```

\StrBetween{abcdef}{b}{e} cd
\StrBetween{aZaaaaZa}{Z}{Z} ||

```

<code>\StrBetween[1,2]{aZaaaaZa}{Z}{Z}</code>	aaaa
<code>\StrBetween{a b c d}{a}{c}</code>	b
<code>\StrBetween{a b c d}{a }{ d}</code>	b c
<code>\StrBetween{abcdef}{a}{Z}</code>	
<code>\StrBetween{abcdef}{Y}{Z}</code>	
<code>\StrBetween[2,5]{aAaBaCaDa}{a}{a}</code>	BaCaD
<code>\StrBetween[4,1]{ab1ab2ab3ab4ab}{b}{a}</code>	
<code>\StrBetween[3,4]{a b c d e f}{ }{ }</code>	d
<code>\StrBetween[1,3]{aaaaaa}{aa}{aa}</code>	aa
<code>\StrBetween{éâëï}{é}{i}</code>	àè
<code>\StrBetween{ÉÂÇ}{É}{Ç}</code>	Ã
<code>\StrBetween{abcdef}{a}{ }</code>	Ã
<code>\StrBetween{abcdef}{ }{f}</code>	abcde
<code>\StrBetween{}{a}{b}</code>	

Mêmes exemples avec l'argument optionnel :

<code>\StrBetween{abcdef}{b}{e}[\aa]\aa</code>	cd
<code>\StrBetween{aZaaaaZa}{Z}{Z}[\aa]\aa</code>	
<code>\StrBetween[1,2]{aZaaaaZa}{Z}{Z}[\aa]\aa</code>	aaaa
<code>\StrBetween{a b c d}{a}{c}[\aa]\aa</code>	b
<code>\StrBetween{a b c d}{a }{ d}[\aa]\aa</code>	b c
<code>\StrBetween{abcdef}{a}{Z}[\aa]\aa</code>	
<code>\StrBetween{abcdef}{Y}{Z}[\aa]\aa</code>	
<code>\StrBetween[2,5]{aAaBaCaDa}{a}{a}[\aa]\aa</code>	BaCaD
<code>\StrBetween[4,1]{ab1ab2ab3ab4ab}{b}{a}[\aa]\aa</code>	
<code>\StrBetween[3,4]{a b c d e f}{ }{ }[\aa]\aa</code>	d
<code>\StrBetween[1,3]{aaaaaa}{aa}{aa}[\aa]\aa</code>	aa
<code>\StrBetween{éâëï}{é}{i}[\aa]\aa</code>	àè
<code>\StrBetween{ÉÂÇ}{É}{Ç}[\aa]\aa</code>	Ã
<code>\StrBetween{abcdef}{a}{ }[\aa]\aa</code>	Ã
<code>\StrBetween{abcdef}{ }{f}[\aa]\aa</code>	abcde
<code>\StrBetween{}{a}{b}[\aa]\aa</code>	

## La macro `\StrSubstitute`

<code>\StrSubstitute{abcdef}{c}{ZZ}</code>	abZZdef
<code>\StrSubstitute{aaaaaaa}{aa}{w}</code>	wwwwa
<code>\StrSubstitute[0]{abacada}{a}{.}</code>	.b.c.d.
<code>\StrSubstitute[1]{abacada}{a}{.}</code>	.bacada
<code>\StrSubstitute[2]{abacada}{a}{.}</code>	.b.cada
<code>\StrSubstitute[3]{abacada}{a}{.}</code>	.b.c.da
<code>\StrSubstitute[4]{abacada}{a}{.}</code>	.b.c.d.
<code>\StrSubstitute[5]{abacada}{a}{.}</code>	.b.c.d.
<code>\StrSubstitute{a b c d e}{ }{,}</code>	a,b,c,d,e
<code>\StrSubstitute{a b c d e}{ }{ }</code>	abcde
<code>\StrSubstitute{éâëï}{é}{Z}</code>	éâZi
<code>\StrSubstitute{ÉÂÇ}{É}{c}</code>	ÉÃc
<code>\StrSubstitute{abcdef}{ }{A}</code>	abcdef
<code>\StrSubstitute{abcdef}{ }{ }</code>	abcdef
<code>\StrSubstitute{}{a}{b}</code>	
<code>\StrSubstitute{}{ }{ }</code>	

Mêmes exemples avec l'argument optionnel :

<code>\StrSubstitute{abcdef}{c}{ZZ}[\aa]\aa</code>	abZZdef
<code>\StrSubstitute{aaaaaaa}{aa}{w}[\aa]\aa</code>	wwwwa
<code>\StrSubstitute[0]{abacada}{a}{.}[\aa]\aa</code>	.b.c.d.
<code>\StrSubstitute[1]{abacada}{a}{.}[\aa]\aa</code>	.bacada
<code>\StrSubstitute[2]{abacada}{a}{.}[\aa]\aa</code>	.b.cada
<code>\StrSubstitute[3]{abacada}{a}{.}[\aa]\aa</code>	.b.c.da
<code>\StrSubstitute[4]{abacada}{a}{.}[\aa]\aa</code>	.b.c.d.
<code>\StrSubstitute[5]{abacada}{a}{.}[\aa]\aa</code>	.b.c.d.
<code>\StrSubstitute{a b c d e}{ }{,}[\aa]\aa</code>	a,b,c,d,e
<code>\StrSubstitute{a b c d e}{ }{ }[\aa]\aa</code>	abcde
<code>\StrSubstitute{éâëï}{é}{Z}[\aa]\aa</code>	éâZi

```

\StrSubstitute{ÉÂÇ}{Ç}{c}[\aa]\aa ÉÂc
\StrSubstitute{abcdef}{A}{a}[\aa]\aa abcdef
\StrSubstitute{abcdef}{-}{-}[\aa]\aa abcdef
\StrSubstitute{}{a}{b}[\aa]\aa ||
\StrSubstitute{}{-}{-}[\aa]\aa ||

```

## La macro \StrDel

```

\StrDel{a1a2a3a4}{a} 1234
\StrDel[2]{a1a2a3a4}{a} 12a3a4
\StrDel[-2]{a1a2a3a4}{a} 1234
\StrDel[10]{a1a2a3a4}{a} 1234
\StrDel[3]{a b c d e}{a} b c d e

```

Mêmes exemples avec l'argument optionnel :

```

\StrDel{a1a2a3a4}{a}[\aa]\aa 1234
\StrDel[2]{a1a2a3a4}{a}[\aa]\aa 12a3a4
\StrDel[-2]{a1a2a3a4}{a}[\aa]\aa 1234
\StrDel[10]{a1a2a3a4}{a}[\aa]\aa 1234
\StrDel[3]{a b c d e}{a}[\aa]\aa b c d e

```

## La macro \StrLen

```

\StrLen{abcdef} 6
\StrLen{a b c} 5
\StrLen{ a b c } 7
\StrLen{a} 1
\StrLen{éâëï} 4
\StrLen{ÉÂÇ} 3
\StrLen{} 0

```

Mêmes exemples avec l'argument optionnel :

```

\StrLen{abcdef}[\aa]\aa 6
\StrLen{a b c}[\aa]\aa 5
\StrLen{ a b c }[\aa]\aa 7
\StrLen{a}[\aa]\aa 1
\StrLen{éâëï}[\aa]\aa 4
\StrLen{ÉÂÇ}[\aa]\aa 3
\StrLen{}[\aa]\aa 0

```

## la macro \StrMid

```

\StrMid{abcdef}{2}{5} bcde
\StrMid{a b c d}{2}{6} | b c |
\StrMid{abcdef}{4}{2} ||
\StrMid{abcdef}{-4}{3} abc
\StrMid{abcdef}{-4}{-1} ||
\StrMid{abcdef}{-4}{20} abcdef
\StrMid{abcdef}{8}{10} ||
\StrMid{abcdef}{2}{2} b
\StrMid{éâëï}{2}{3} àè
\StrMid{ÉÂÇ}{2}{3} ÂÇ
\StrMid{aaaaaa}{3}{6} aaaa
\StrMid{}{4}{5} ||

```

Mêmes exemples avec l'argument optionnel :

```

\StrMid{abcdef}{2}{5}[\aa]\aa bcde
\StrMid{a b c d}{2}{6}[\aa]\aa | b c |
\StrMid{abcdef}{4}{2}[\aa]\aa ||
\StrMid{abcdef}{-4}{3}[\aa]\aa abc
\StrMid{abcdef}{-4}{-1}[\aa]\aa ||
\StrMid{abcdef}{-4}{20}[\aa]\aa abcdef
\StrMid{abcdef}{8}{10}[\aa]\aa ||
\StrMid{abcdef}{2}{2}[\aa]\aa b
\StrMid{éâëï}{2}{3}[\aa]\aa àè
\StrMid{ÉÂÇ}{2}{3}[\aa]\aa ÂÇ
\StrMid{aaaaaa}{3}{6}[\aa]\aa aaaa

```

`\StrMid{}{4}{5}[\aa]\aa` ||

## La macro `\StrGobbleLeft`

```
\StrGobbleLeft{abcdef}{3} def
\StrGobbleLeft{a b c d}{3} | c d|
\StrGobbleLeft{abcdef}{-3} abcdef
\StrGobbleLeft{abcdef}{9} ||
\StrGobbleLeft{éàèï}{2} èï
\StrGobbleLeft{ÉÂÇ}{1} ÉÂÇ
\StrGobbleLeft{aaaaa}{4} a
\StrGobbleLeft{}{2} ||
```

Mêmes exemples avec l'argument optionnel :

```
\StrGobbleLeft{abcdef}{3}[\aa]\aa def
\StrGobbleLeft{a b c d}{3}[\aa]\aa | c d|
\StrGobbleLeft{abcdef}{-3}[\aa]\aa abcdef
\StrGobbleLeft{abcdef}{9}[\aa]\aa ||
\StrGobbleLeft{éàèï}{2}[\aa]\aa èï
\StrGobbleLeft{ÉÂÇ}{1}[\aa]\aa ÉÂÇ
\StrGobbleLeft{aaaaa}{4}[\aa]\aa a
\StrGobbleLeft{}{2}[\aa]\aa ||
```

## La macro `\StrGobbleRight`

```
\StrGobbleRight{abcdef}{3} abc
\StrGobbleRight{a b c d}{3} |a b |
\StrGobbleRight{abcdef}{-3} abcdef
\StrGobbleRight{abcdef}{9} ||
\StrGobbleRight{éàèï}{2} éà
\StrGobbleRight{ÉÂÇ}{1} ÉÂ
\StrGobbleRight{aaaaa}{4} a
\StrGobbleRight{}{2} ||
```

Mêmes exemples avec l'argument optionnel :

```
\StrGobbleRight{abcdef}{3}[\aa]\aa abc
\StrGobbleRight{a b c d}{3}[\aa]\aa |a b |
\StrGobbleRight{abcdef}{-3}[\aa]\aa abcdef
\StrGobbleRight{abcdef}{9}[\aa]\aa ||
\StrGobbleRight{éàèï}{2}[\aa]\aa éà
\StrGobbleRight{ÉÂÇ}{1}[\aa]\aa ÉÂ
\StrGobbleRight{aaaaa}{4}[\aa]\aa a
\StrGobbleRight{}{2}[\aa]\aa ||
```

## La macro `\StrLeft`

```
\StrLeft{abcdef}{3} abc
\StrLeft{a b c d}{3} |a b|
\StrLeft{abcdef}{-3} ||
\StrLeft{abcdef}{9} |abcdef|
\StrLeft{éàèï}{2} éà
\StrLeft{ÉÂÇ}{1} É
\StrLeft{aaaaa}{4} aaaa
\StrLeft{}{2} ||
```

Mêmes exemples avec l'argument optionnel :

```
\StrLeft{abcdef}{3}[\aa]\aa abc
\StrLeft{a b c d}{3}[\aa]\aa |a b|
\StrLeft{abcdef}{-3}[\aa]\aa ||
\StrLeft{abcdef}{9}[\aa]\aa |abcdef|
\StrLeft{éàèï}{2}[\aa]\aa éà
\StrLeft{ÉÂÇ}{1}[\aa]\aa É
\StrLeft{aaaaa}{4}[\aa]\aa aaaa
\StrLeft{}{2}[\aa]\aa ||
```

## La macro `\StrRight`

```
\StrRight{abcdef}{3} def
```

```

\StrRight{a b c d}{3} |c d|
\StrRight{abcdef}{-3} ||
\StrRight{abcdef}{9} |abcdef|
\StrRight{éâèï}{2} èï
\StrRight{ÉÂÇ}{1} Ç
\StrRight{aaaaa}{4} aaaa
\StrRight{}{2} ||

```

Mêmes exemples avec l'argument optionnel :

```

\StrRight{abcdef}{3}[\aa]\aa def
\StrRight{a b c d}{3}[\aa]\aa |c d|
\StrRight{abcdef}{-3}[\aa]\aa ||
\StrRight{abcdef}{9}[\aa]\aa |abcdef|
\StrRight{éâèï}{2}[\aa]\aa èï
\StrRight{ÉÂÇ}{1}[\aa]\aa Ç
\StrRight{aaaaa}{4}[\aa]\aa aaaa
\StrRight{}{2}[\aa]\aa ||

```

## la macro \StrChar

```

\StrChar{abcdef}{5} e
\StrChar{a b c d}{4} | |
\StrChar{a b c d}{7} d
\StrChar{abcdef}{10} ||
\StrChar{abcdef}{-5} ||
\StrChar{}{3} ||

```

Mêmes exemples avec l'argument optionnel :

```

\StrChar{abcdef}{5}[\aa]\aa e
\StrChar{a b c d}{4}[\aa]\aa | |
\StrChar{a b c d}{7}[\aa]\aa d
\StrChar{abcdef}{10}[\aa]\aa ||
\StrChar{abcdef}{-5}[\aa]\aa ||
\StrChar{}{3}[\aa]\aa ||

```

## La macro \StrCount

```

\StrCount{abcdef}{d} 1
\StrCount{a b c d}{ } 3
\StrCount{aaaaaa}{aa} 3
\StrCount{étété}{é} 3
\StrCount{abcdef}{Z} 0
\StrCount{éâèï}{é} 1
\StrCount{ÉÂÇ}{Ç} 1
\StrCount{abcdef}{ } 0
\StrCount{}{a} 0
\StrCount{}{ } 0

```

Mêmes exemples avec l'argument optionnel :

```

\StrCount{abcdef}{d}[\aa]\aa 1
\StrCount{a b c d}{ }[\aa]\aa 3
\StrCount{aaaaaa}{aa}[\aa]\aa 3
\StrCount{étété}{é}[\aa]\aa 3
\StrCount{abcdef}{Z}[\aa]\aa 0
\StrCount{éâèï}{é}[\aa]\aa 1
\StrCount{ÉÂÇ}{Ç}[\aa]\aa 1
\StrCount{abcdef}{ }[\aa]\aa 0
\StrCount{}{a}[\aa]\aa 0
\StrCount{}{ }[\aa]\aa 0

```

## La macro \StrPosition

```

\StrPosition{abcdef}{c} 3
\StrPosition{abcdef}{Z} 0
\StrPosition{a b c d}{ } 2
\StrPosition[3]{a b c d}{ } 6
\StrPosition[8]{a b c d}{ } 0

```

```

\StrPosition{étété}{é} 1
\StrPosition[3]{étété}{é} 5
\StrPosition[5]{étété}{é} 0
\StrPosition{aaaaaa}{aa} 1
\StrPosition[2]{aaaaaa}{aa} 3
\StrPosition[3]{aaaaaa}{aa} 5
\StrPosition{éàèi}{è} 3
\StrPosition{ÉÂÇ}{Â} 2
\StrPosition{abcdef}{ } 0
\StrPosition{}{a} 0
\StrPosition{}{} 0

```

Mêmes exemples avec l'argument optionnel :

```

\StrPosition{abcdef}{c}[\aa]\aa 3
\StrPosition{abcdef}{Z}[\aa]\aa 0
\StrPosition{a b c d}{ }[\aa]\aa 2
\StrPosition[3]{a b c d}{ }[\aa]\aa 6
\StrPosition[8]{a b c d}{ }[\aa]\aa 0
\StrPosition{étété}{é}[\aa]\aa 1
\StrPosition[3]{étété}{é}[\aa]\aa 5
\StrPosition[5]{étété}{é}[\aa]\aa 0
\StrPosition{aaaaaa}{aa}[\aa]\aa 1
\StrPosition[2]{aaaaaa}{aa}[\aa]\aa 3
\StrPosition[3]{aaaaaa}{aa}[\aa]\aa 5
\StrPosition{éàèi}{è}[\aa]\aa 3
\StrPosition{ÉÂÇ}{Â}[\aa]\aa 2
\StrPosition{abcdef}{ }[\aa]\aa 0
\StrPosition{}{a}[\aa]\aa 0
\StrPosition{}{}[\aa]\aa 0

```