

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{ÉÂÇ}{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{ÉÂÇ}{É}{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{ÉÂÇ}{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

```

Le test \IfInteger

```

\IfInteger{156}{vrai}{faux} vrai
\IfInteger{1.6}{vrai}{faux} faux
\IfInteger{7a5}{vrai}{faux} faux
\IfInteger{+9}{vrai}{faux} vrai
\IfInteger{-15}{vrai}{faux} vrai
\IfInteger{0}{vrai}{faux} vrai
\IfInteger{-1,2}{vrai}{faux} faux
\IfInteger{1.}{vrai}{faux} faux
\IfInteger{-00}{vrai}{faux} vrai
\IfInteger{+}{vrai}{faux} faux
\IfInteger{-}{vrai}{faux} faux
\IfInteger{.}{vrai}{faux} faux
\IfInteger{,}{vrai}{faux} faux

```

Le test \IfDecimal

```

\IfDecimal{6}{vrai}{faux} vrai
\IfDecimal{-78}{vrai}{faux} vrai
\IfDecimal{3.14}{vrai}{faux} vrai
\IfDecimal{3,14}{vrai}{faux} vrai
\IfDecimal{1..5}{vrai}{faux} faux

```

```

\IfDecimal{-9.8}{vrai}{faux} vrai
\IfDecimal{+9.8}{vrai}{faux} vrai
\IfDecimal{-9,8}{vrai}{faux} vrai
\IfDecimal{+9,8}{vrai}{faux} vrai
\IfDecimal{+6.7.}{vrai}{faux} faux
\IfDecimal{.5}{vrai}{faux} vrai
\IfDecimal{1.}{vrai}{faux} faux
\IfDecimal{-.99}{vrai}{faux} vrai
\IfDecimal{-5.}{vrai}{faux} faux
\IfDecimal{5a9.}{vrai}{faux} faux
\IfDecimal{+}{vrai}{faux} faux
\IfDecimal{-}{vrai}{faux} faux
\IfDecimal{.}{vrai}{faux} faux
\IfDecimal{,}{vrai}{faux} faux

```

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}{ } ||
\StrBefore{abcdef}{Z} ||
\StrBefore{éàèï}{è} 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 ||
\StrBefore{abcdef}{Z}[\aa]\aa ||
\StrBefore{éàèï}{è}[\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}{ } ||
\StrBehind{abcdef}{Z} ||
\StrBehind{éâëï}{è} ì
\StrBehind{ÉÂÇ}{À} Ç
\StrBehind[1]{aaaaaa}{aa} aaaa
\StrBehind[2]{aaaaaa}{aa} aa
\StrBehind[3]{aaaaaa}{aa} ||
\StrBehind[4]{aaaaaa}{aa} ||
\StrBehind{a}{ } ||
\StrBehind{}{a} ||
\StrBehind{}{ } ||

```

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 ||
\StrBehind{abcdef}{Z}[\aa]\aa ||
\StrBehind{éâëï}{è}[\aa]\aa ì
\StrBehind{ÉÂÇ}{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} ||
\StrBetween[1,2]{aZaaaaZa}{Z}{Z} |aaaa|
\StrBetween{a b c d}{a}{c} |b|
\StrBetween{a b c d}{a }{ d} |b c|
\StrBetween{abcdef}{a}{Z} ||
\StrBetween{abcdef}{Y}{Z} ||
\StrBetween[2,5]{aAaBaCaDa}{a}{a} |BaCaD|
\StrBetween[4,1]{ab1ab2ab3ab4ab}{b}{a} ||
\StrBetween[3,4]{a b c d e f}{ }{ } |d|
\StrBetween[1,3]{aaaaaa}{aa}{aa} aa
\StrBetween{éâëï}{é}{i} àè
\StrBetween{ÉÂÇ}{É}{Ç} À
\StrBetween{abcdef}{a}{ } ||
\StrBetween{abcdef}{ }{f} ||
\StrBetween{}{a}{b} ||

```

Mêmes exemples avec l'argument optionnel :

```

\StrBetween{abcdef}{b}{e}[\aa]\aa cd
\StrBetween{aZaaaaZa}{Z}{Z}[\aa]\aa ||
\StrBetween[1,2]{aZaaaaZa}{Z}{Z}[\aa]\aa |aaaa|
\StrBetween{a b c d}{a}{c}[\aa]\aa |b|
\StrBetween{a b c d}{a }{ d}[\aa]\aa |b c|
\StrBetween{abcdef}{a}{Z}[\aa]\aa ||
\StrBetween{abcdef}{Y}{Z}[\aa]\aa ||
\StrBetween[2,5]{aAaBaCaDa}{a}{a}[\aa]\aa |BaCaD|

```

```

\StrBetween[4,1]{ab1ab2ab3ab4ab}{b}{a}[\aa]\aa ||
\StrBetween[3,4]{a b c d e f}{ }{ }[\aa]\aa |d|
\StrBetween[1,3]{aaaaaa}{aa}{aa}[\aa]\aa aa
\StrBetween{éâëï}{é}{i}[\aa]\aa è
\StrBetween{ÉÂÇ}{É}{Ç}[\aa]\aa Â
\StrBetween{abcdef}{a}{ }[\aa]\aa ||
\StrBetween{abcdef}{ }{f}[\aa]\aa ||
\StrBetween{}{a}{b}[\aa]\aa ||

```

La macro \StrSubstitute

```

\StrSubstitute{abcdef}{c}{ZZ} abZZdef
\StrSubstitute{aaaaaaa}{aa}{w} wwwa
\StrSubstitute[0]{abacada}{a}{.} .b.c.d.
\StrSubstitute[1]{abacada}{a}{.} .bacada
\StrSubstitute[2]{abacada}{a}{.} .b.cada
\StrSubstitute[3]{abacada}{a}{.} .b.c.da
\StrSubstitute[4]{abacada}{a}{.} .b.c.d.
\StrSubstitute[5]{abacada}{a}{.} .b.c.d.
\StrSubstitute{a b c d e}{ }{,} a,b,c,d,e
\StrSubstitute{a b c d e}{ }{ } abcde
\StrSubstitute{éâëï}{è}{Z} éâZi
\StrSubstitute{ÉÂÇ}{Ç}{c} ÉÂc
\StrSubstitute{abcdef}{ }{A} abcdef
\StrSubstitute{abcdef}{ }{ } abcdef
\StrSubstitute{}{a}{b} ||
\StrSubstitute{}{ }{ } ||

```

Mêmes exemples avec l'argument optionnel :

```

\StrSubstitute{abcdef}{c}{ZZ}[\aa]\aa abZZdef
\StrSubstitute{aaaaaaa}{aa}{w}[\aa]\aa wwwa
\StrSubstitute[0]{abacada}{a}{.}[\aa]\aa .b.c.d.
\StrSubstitute[1]{abacada}{a}{.}[\aa]\aa .bacada
\StrSubstitute[2]{abacada}{a}{.}[\aa]\aa .b.cada
\StrSubstitute[3]{abacada}{a}{.}[\aa]\aa .b.c.da
\StrSubstitute[4]{abacada}{a}{.}[\aa]\aa .b.c.d.
\StrSubstitute[5]{abacada}{a}{.}[\aa]\aa .b.c.d.
\StrSubstitute{a b c d e}{ }{,}[\aa]\aa a,b,c,d,e
\StrSubstitute{a b c d e}{ }{ }[\aa]\aa abcde
\StrSubstitute{éâëï}{è}{Z}[\aa]\aa éâZi
\StrSubstitute{ÉÂÇ}{Ç}{c}[\aa]\aa ÉÂc
\StrSubstitute{abcdef}{ }{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{éàèï} 4
\StrLen{ÉÀÇ} 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{éàèï}[\aa]\aa 4
\StrLen{ÉÀÇ}[\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{éàèï}{2}{3} àè
\StrMid{ÉÀÇ}{2}{3} ÀÇ
\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{éàèï}{2}{3}[\aa]\aa àè
\StrMid{ÉÀÇ}{2}{3}[\aa]\aa ÀÇ
\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{ÉÀÇ}{1} ÀÇ
\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{ÉÀÇ}{1}[\aa]\aa ÀÇ
\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{ÉÀÇ}{1} ÉÀ
\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{ÉÀÇ}{1}[\aa]\aa ÉÀ
\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{ÉÀÇ}{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{ÉÀÇ}{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{éàèï}{2} èï
\StrRight{ÉÀÇ}{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{éàèï}{2}[\aa]\aa èï
\StrRight{ÉÀÇ}{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{étéété}{é} 3
\StrCount{abcdef}{Z} 0
\StrCount{éàèï}{é} 1
\StrCount{ÉÀÇ}{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{étéété}{é}[\aa]\aa 3
\StrCount{abcdef}{Z}[\aa]\aa 0
\StrCount{éàèï}{é}[\aa]\aa 1
\StrCount{ÉÀÇ}{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{étéété}{é} 1
\StrPosition[3]{étéété}{é} 5
\StrPosition[5]{étéété}{é} 0
\StrPosition{aaaaaa}{aa} 1
\StrPosition[2]{aaaaaa}{aa} 3
\StrPosition[3]{aaaaaa}{aa} 5
\StrPosition{éàèï}{é} 3
\StrPosition{ÉÀÇ}{À} 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{étéété}{é}[\aa]\aa 1
\StrPosition[3]{étéété}{é}[\aa]\aa 5
\StrPosition[5]{étéété}{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{éàèï}{é}[\aa]\aa 3
\StrPosition{ÉÀÇ}{À}[\aa]\aa 2
```



```
\StrPosition{abcdef}-{ }[\aa]\aa 0
  \StrPosition{}{a}[\aa]\aa 0
    \StrPosition{}{-}[\aa]\aa 0
```