Default operator list

These are all the default tags and math operators you can use in CO^{W}TCH$_{O}$OX , without linking anything.

Tags

`<cowtchoox>`

```
<!cowtchoox />
```

The cowtchoox logo.

`<pagebreak>`

```
<!pagebreak />
```

A page break. The next thing on the document will be placed on the next page.

`<page-number>`

```
<!page-number />
```

Will be replaced by the page number

`<evaluate>`

```
<!evaluate > </evaluate>
```

Will be replaced by the inner JS expression. The safest way of adding JS to the page, as it is executed before the layout is made. Very useful to show the current date, copy an element's contents... Notes:
- Custom tag parameters can be included in JS code, because it is considered as text by cowtchoox, and colon tags will be replaced. However, some characters must be escaped such as <, >, `...
- The eval HTML element can be accessed by the code with `this`
- If you just want to execute JS code, and jou wand no output value in the document, just put `""` on the last line

`<figure>`

```
<!figure :caption=""> </figure>
```

A figure with a caption

`<cowtable>`

```
<!cowtable :caption=""> </cowtable>
```

A table with a caption

`<last-tag-value>`

```
<!last-tag-value :name=""/>
```

Will be replaced by the inner content of the last encountered tag with hat name.

`<index>`

```
<!index :tags=""/>
```

An index of the document. Work in progress.
`tags` : The tag names that will be present in the index, separated by a space. For example "h1 h2 h3"

`<system>`

```
<!system > </system>
```

A system, with a big opening brace. Make lines with && and align with &.

`<eq>`

```
<!eq :name=""> </eq>
```

Displays a named equation (should be used inside math)
`name` : The name of the equation, will be put in the right

Math operators

`sqrt`

```
?sqrt{under}
```

$$\sqrt{under}$$

Square root.
`under` : the thing in the square root

`x`

```
?x
```

$$\times$$

Product. (like `\times` in latex) (U+00D7)

```

```

frac Infix alias `/`

```
?frac{up}{down}
```

$$\frac{up}{down}$$

Horizontal fraction.
`up` : the thing over the bar
`down` : the thing under the bar

normalfont Alias `|`

```
?normalfont{inner}
```

inner

Makes inner not use math font.

txt

```
?txt{inner}
```

inner

Same as normalfont, but with additional margins.

exponent Infix alias `^`

```
?exponent{before}{inner}
```

$$before^{inner}$$

Exponent.

subscript Infix alias `_`

```
?subscript{before}{inner}
```

$$before_{inner}$$

Subscript.

```

```

underset Infix alias `__`

```
?underset{middle}{down}
```

$$\underset{down}{middle}$$

Put down under middle.

overset Infix alias `^^`

```
?overset{middle}{up}
```

$$\overset{up}{middle}$$

Put up over middle.

comma Alias `,`

```
?comma
```

,

Properly spaced comma.

equal Alias `=`

```
?equal
```

=

Properly spaced equal.

minus Alias `-`

```
?minus
```

−

A minus sign. (U+2013)

plus Alias `+`

```
?plus
```

+

A plus sign.

`forall`

```
?forall
```


For all. (U+2200)

`exists`

```
?exists
```


There exists. (U+2203)

`belongsto` Alias `€`

```
?belongsto
```


Belongs to. (U+2208)

`inf`

```
?inf
```


Infinity. (U+221E)

`rightarrow` Alias `->`

```
?rightarrow
```


Right arrow.

`leftarrow` Alias `<-`

```
?leftarrow
```

Left arrow. (U+2190)

longrightarrow Alias `-->`

```
?longrightarrow
```


Long right arrow.

longleftarrow Alias `<--`

```
?longleftarrow
```


Long left arrow.

rightdoublearrow Alias `=>`

```
?rightdoublearrow
```


Right double arrow.

leftdoublearrow Alias `<=`

```
?leftdoublearrow
```


Left double arrow.

longrightdoublearrow Alias `==>`

```
?longrightdoublearrow
```


Long right double arrow.

longleftdoublearrow Alias `<==`

```
?longleftdoublearrow
```

Long left double arrow.

longleftrightarrow Alias `<-->`

```
?longleftrightarrow
```

$$\longleftrightarrow$$

Long left right arrow.

leftrightdoublearrow Alias `<=>`

```
?leftrightdoublearrow
```

$$\Leftrightarrow$$

Left right double arrow.

longleftrightdoublearrow Alias `<==>`

```
?longleftrightdoublearrow
```

$$\Longleftrightarrow$$

Long left right double arrow.

un

```
?un{inner}
```

$$\underline{inner}$$

Underlines argument.

simeq Alias `~=`

```
?simeq
```

$$\simeq$$

Almost equal. (U+2243)

noteq Alias `!=`

```
?noteq
```

≠

Not equal. (U+2260)

equiv Alias `~`

```
?equiv
```

~

Equivalent / tilde operator. (U+223C)

less Alias `<`

```
?less
```

<

Less than.

greater Alias `>`

```
?greater
```

>

Greater than.

leq Alias `=<`

```
?leq
```

≤

Less than or equal. (U+2264)

geq Alias `>=`

```
?geq
```

≥

Greater than. (U+2265)

```

```

mless Alias `<<`

```
?mless
```

$$\ll$$

Much less than. (U+226A)

mgreater Alias `>>`

```
?mgreater
```

$$\gg$$

Much greater than. (U+226B)

abs

```
?abs{inner}
```

$$\left|inner\right|$$

Absolute value

v

```
?v{inner}
```

$$\overrightarrow{inner}$$

Put an arrow over the argument, like a vector.

and

```
?and
```

$$\wedge$$

Logical and, or GCD, or cross product (U+2227)

or

```
?or
```

$$\vee$$

Logical or, or LCM (U+2228)

vert-flex

```
?vert-flex{inner}
```

$$inner$$

Creates a vertical flex display. All contained HTML tags will be listed vertically, and horizontally centered

overdot Alias `^.`

```
?overdot{inner}
```

$$\dot{inner}$$

Put a dot over argument.

overddot Alias `^..`

```
?overddot{inner}
```

$$\ddot{inner}$$

Put two dots over argument.

overdddot Alias `^...`

```
?overdddot{inner}
```

$$\dddot{inner}$$

Put two dots over argument.

space

```
?space
```

A small inline space

deriv

```
?deriv{up}{down}
```

$$\frac{\mathrm{d}up}{\mathrm{d}down}$$

Derivative (fraction notation)

nderiv

```
?nderiv{up}{down}{pow}
```

$$\frac{\mathrm{d}^{pow}up}{\mathrm{ddown}^{pow}}$$

Nth derivative (fraction notation)

cos

```
?cos{inner}
```

$$\cos inner$$

Cosine function

acos

```
?acos{inner}
```

$$\mathrm{acos}inner$$

Acos function

sin

```
?sin{inner}
```

$$\sin inner$$

Sine function

asin

```
?asin{inner}
```

$$\mathrm{asin}inner$$

Asin function

`tan`

```
?tan{inner}
```

$$\tan inner$$

Tangent function

`atan`

```
?atan{inner}
```

$$\operatorname{atan} inner$$

Atan function

`eqname`

```
?eqname{inner}
```

$$(inner)$$

Show the name of an equation

`int`

```
?int{down}{up}{inner}
```

$$\int_{down}^{up} inner$$

Integral
`down` : the thing at the bottom of the integral
`up` : the thing at the top of the integral
`inner` : the content inside the integral

`cal` Alias `£`

```
?cal{inner}
```

inner

Calligraphic math font

frak

```
?frak{inner}
```

$$\mathfrak{inner}$$

Fraktur math font

bb Alias `||`

```
?bb{inner}
```

$$\mathbb{inner}$$

Blackboard bold math font

pm

```
?pm
```

$$\pm$$

Plus or minus (U+00B1)