opendeduction.sty

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The package provides a single command,

`drv[<options>]{ <formula> ; <rule> ; <formula> ; ... ; <rule> ; <formula> }`

which creates an open-deduction derivation from top to bottom. A `<formula>` is any reasonable TEX construct and may in particular contain further derivations. A `<rule>` is a triple of: an optional left label; a rule or derivation symbol; an optional right label. Labels can be anything.

`<rule>` ::= `[<left label>] <rule kind> [<right label>]`

The `<rule kind>` is indicated with a single symbol, according to the table below. The package will attempt to typeset any other TEX commands given for `<rule kind>` in the appropriate location.

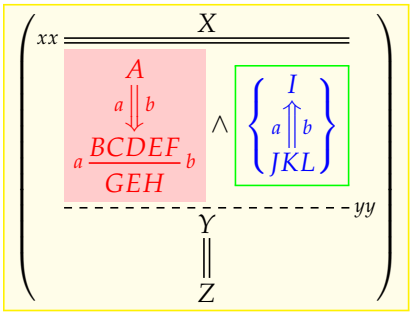
`<rule kind>`	::=	`-` single rule
		`=` double rule
		`.` dashed rule
		`|` double vertical rule
		`^` double arrow up
		`_` double arrow down

The `<options>` are given by a comma-separated list of `<key=value>` pairs. These keys are supported:

`text = <color>`	sets the color of the derivation
`border = <color>`	creates a box with colored border
`background = <color>`	creates a box with colored background
`<color>`	shortcut for: `border=<color>, background=<color>!10`
`braces = <curly|round|square>`	adds curly/round/square braces `{..}/(..)/[..]`

Braces will be inside the box and in the color of `<text=...>`. With no value given, the default is square.

Example




```
\drv[braces=round,yellow]{
  X ; [xx]= ;
    \drv[text=red,background=red!20]{
       A ; [a]_[b] ; BCDEF ; [a]-[b] ; GEH
     }
    \wedge
    \drv[text=blue,border=green,braces=curly]{
       I ; [a] ^ [b] ; JKL
    }
  ; .[yy] ; Y ;|; Z
}
```