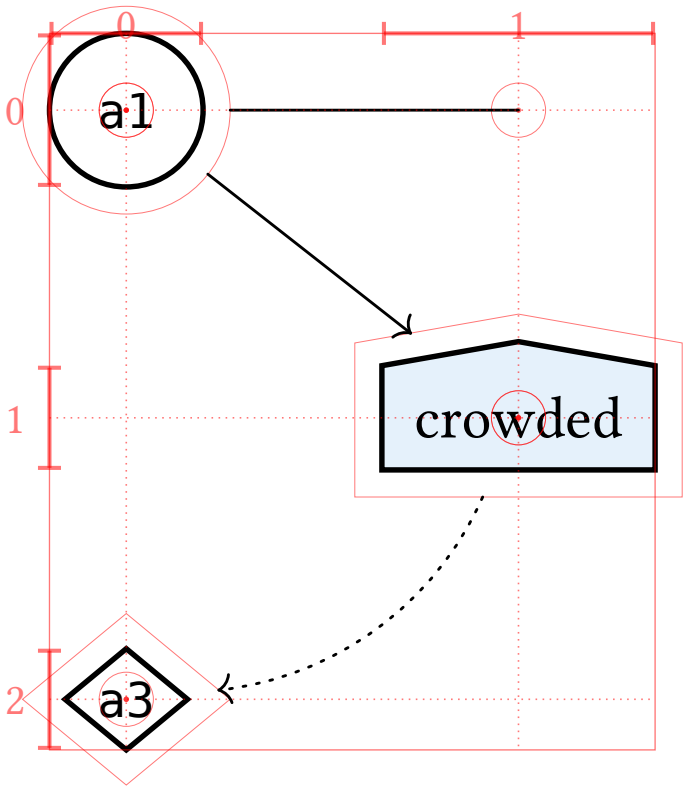
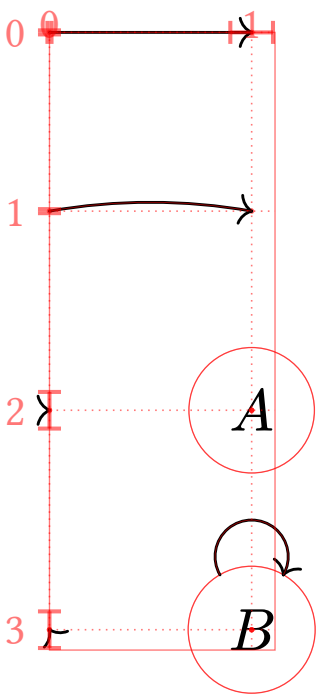
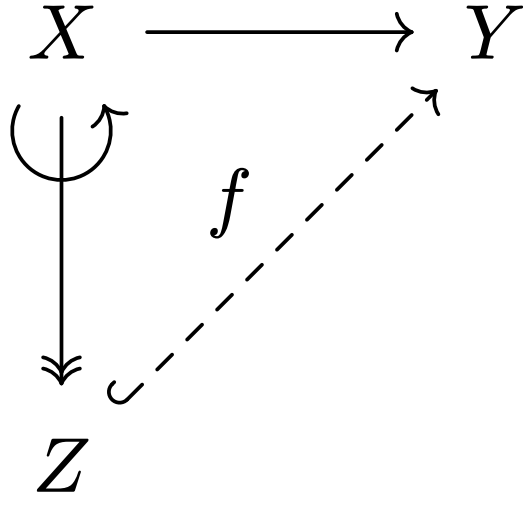
The CeTZ Way

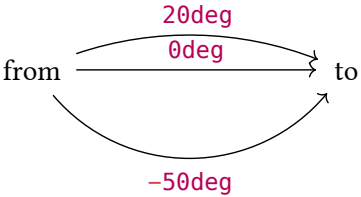


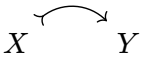


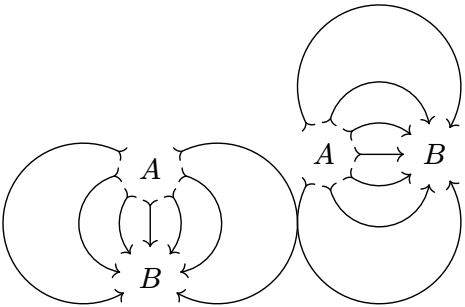
Connectors

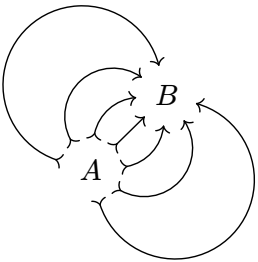


Arc connectors





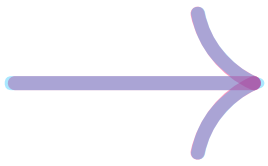


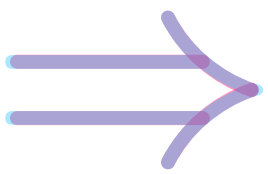


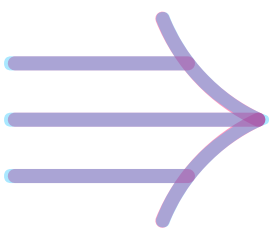
Matching math arrows

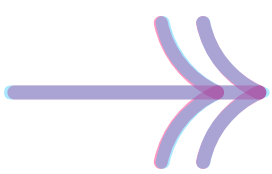
Compare to $\rightarrow$, $\Rightarrow$ $\Rrightarrow$ $\twoheadrightarrow$, $\hookrightarrow$, $\mapsto$.

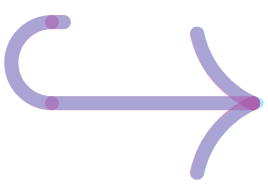
Compare our output to the reference symbol in default math font.

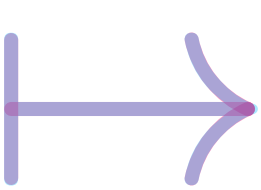












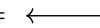
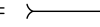
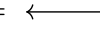
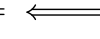
Double and triple lines

Diagram $A \xrightarrow{f} B$ and equation $A \to B$.

Diagram $A \xRightarrow{f} B$ and equation $A \Rightarrow B$.

Diagram $A \xRightarrow{f} B$ and equation $A \Rrightarrow B$.

Arrow head shorthands

`"->"`	=	
`"<-"`	=	
`">-<"`	=	
`"<->"`	=	
`"<=>"`	=	
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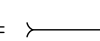
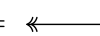
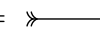
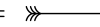
`"|=>"`	=	
`">->"`	=	
`"<<->>"`	=	
`">>-<<"`	=	
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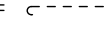
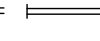
`"hook->"`	=	
`"hook'--hook"`	=	
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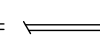
`"|||-|||"`	=	
`"/--\\"`	=	
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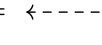
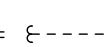
`"x-X"`	=	
`">>-<<"`	=	
`"harpoon-harpoon'"`	=	
`"harpoon'-<<"`	=	
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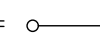
`"|..|"`	=	
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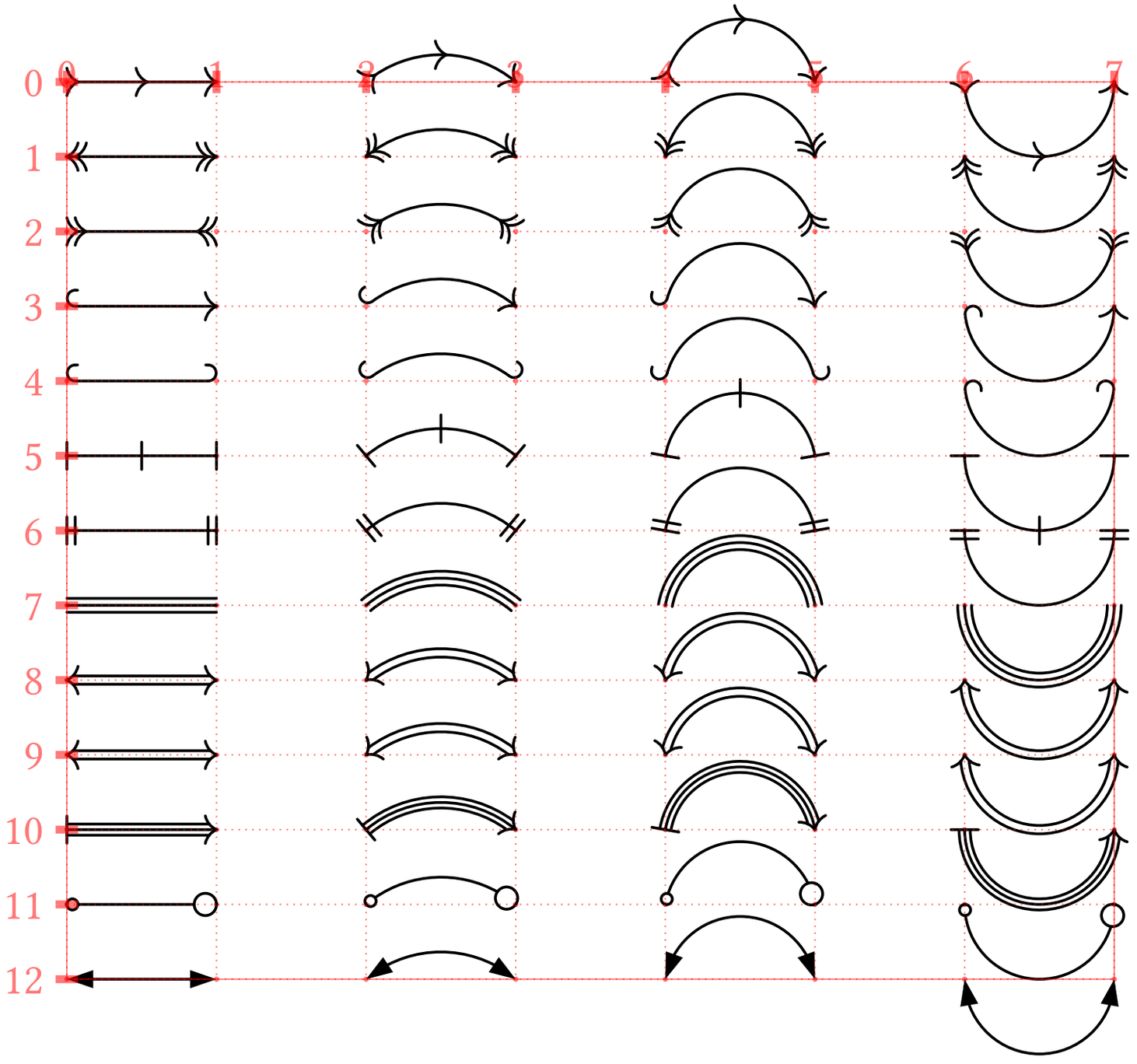
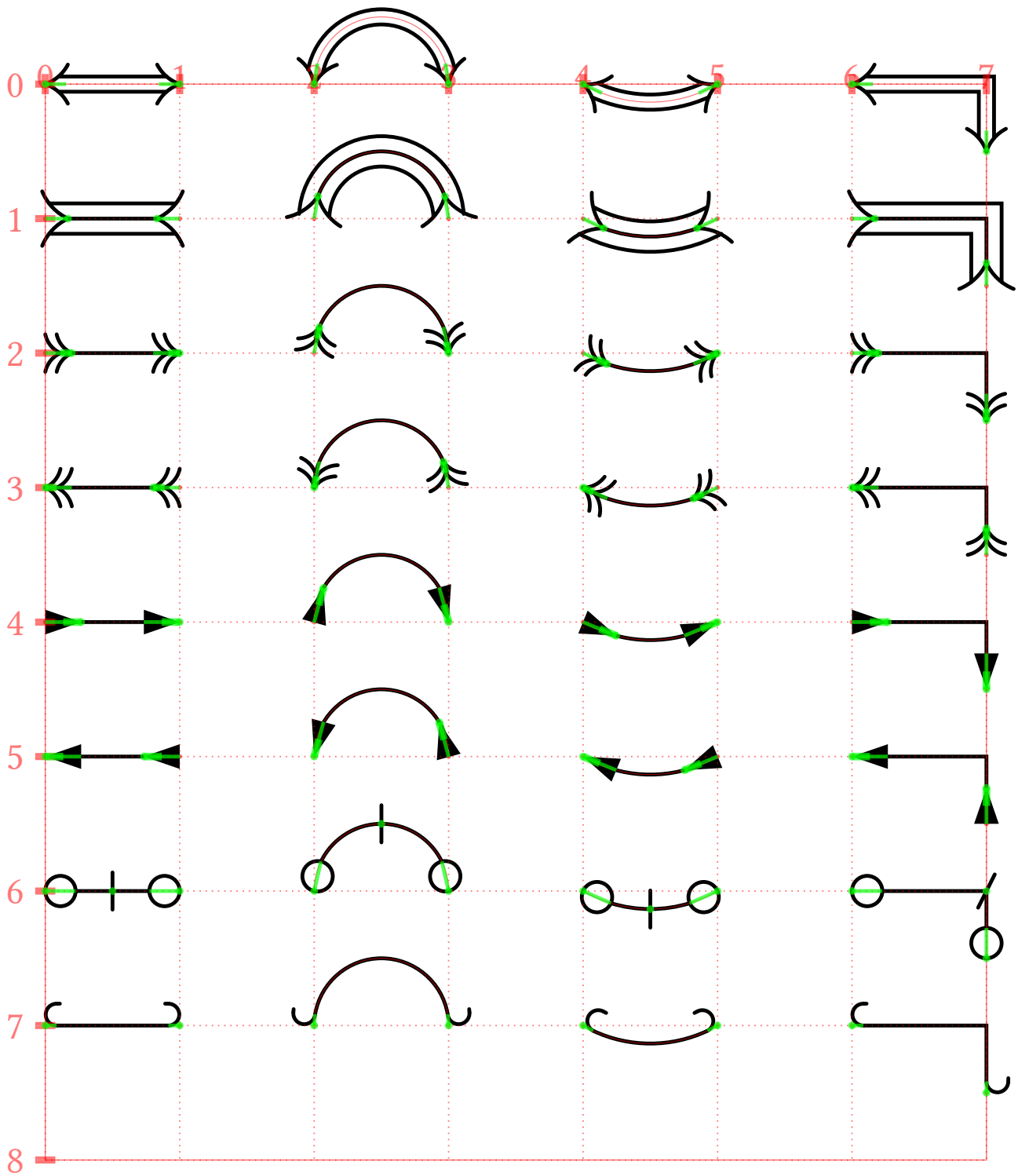
`"<|-|>"`	=	
`"|>-<|"`	=	
`"-|-"`	=	
`"hook-/->"`	=	
`"<{-}>"`	=	

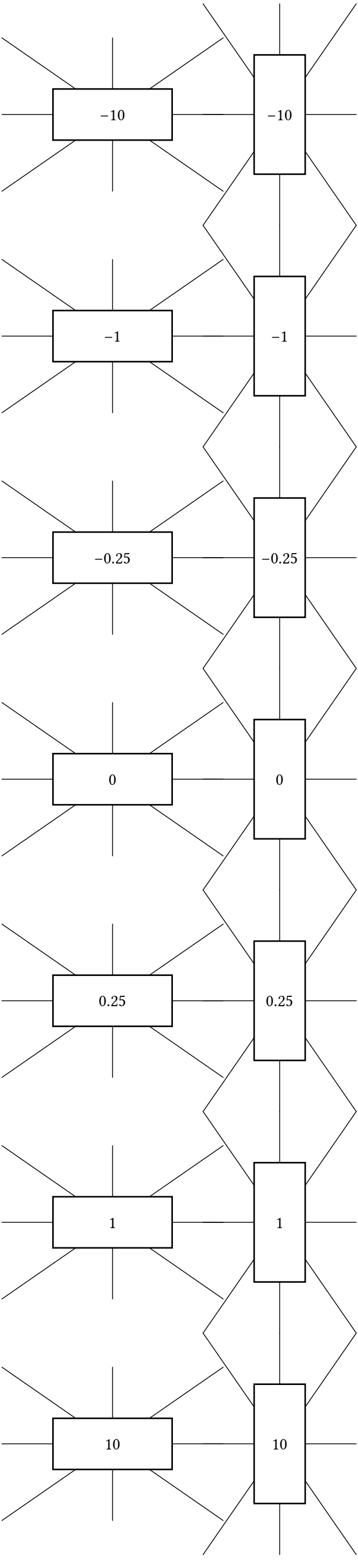
Bending arrows



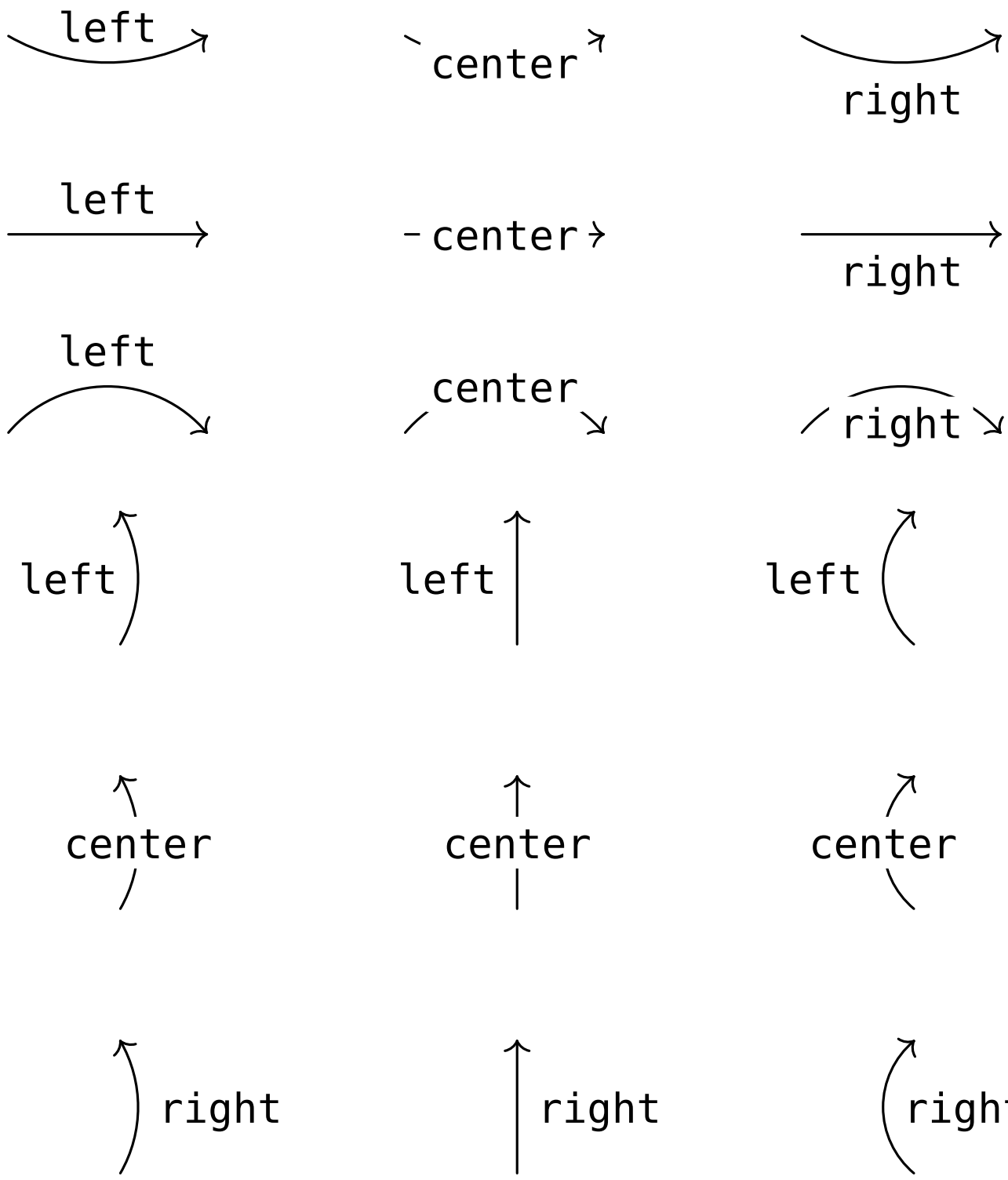
Fine mark angle corrections



Defocus adjustment

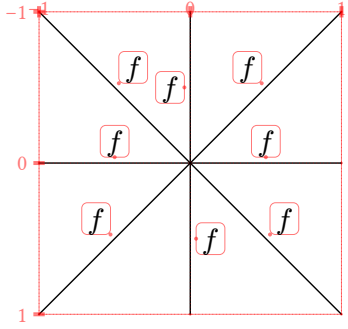


Label side

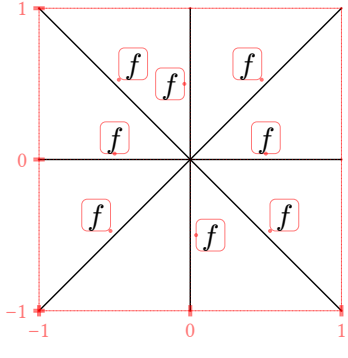

left
center
right
left
center
right
left
center
right
left
left
left
center
center
center
right
right
right

Automatic label placement

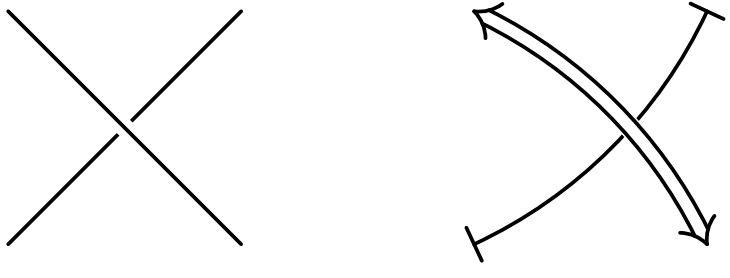
Default placement above the line.



Reversed y-axis:



Crossing connectors



`edge()` argument shorthands

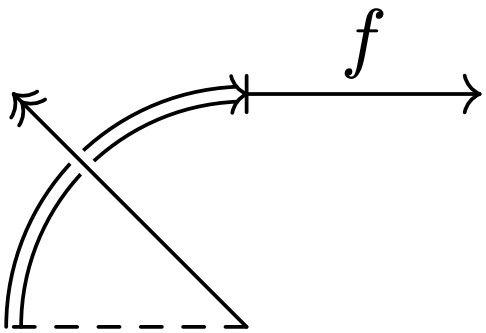
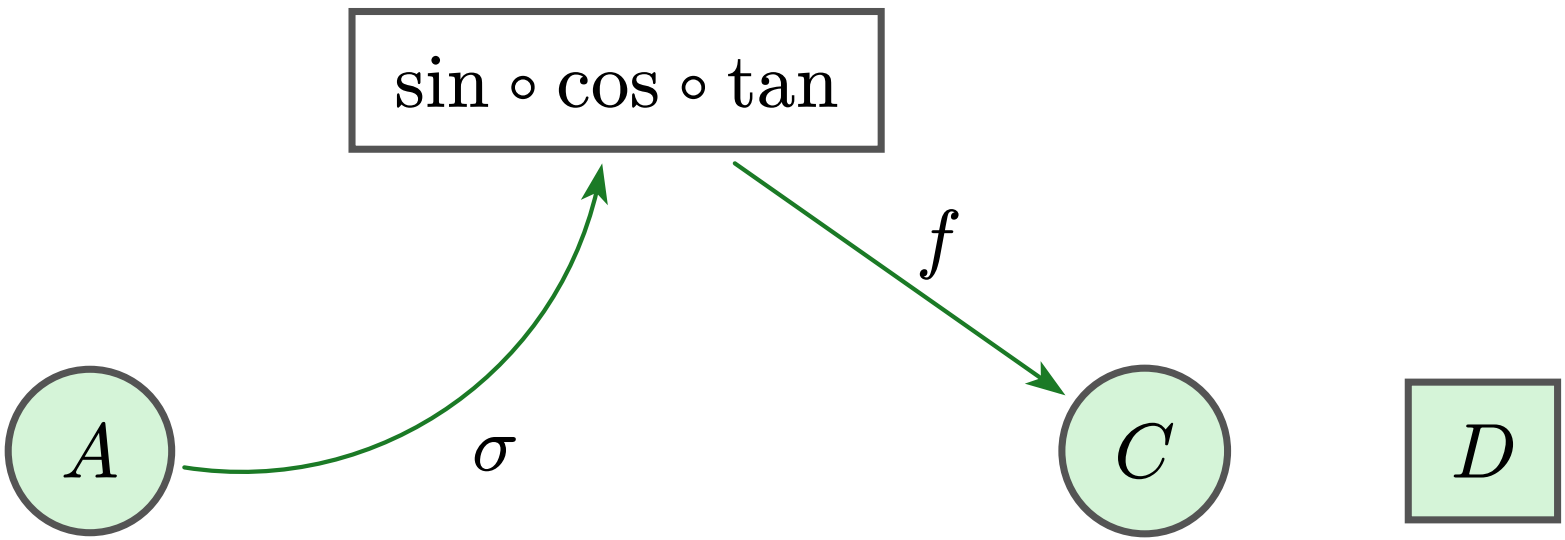
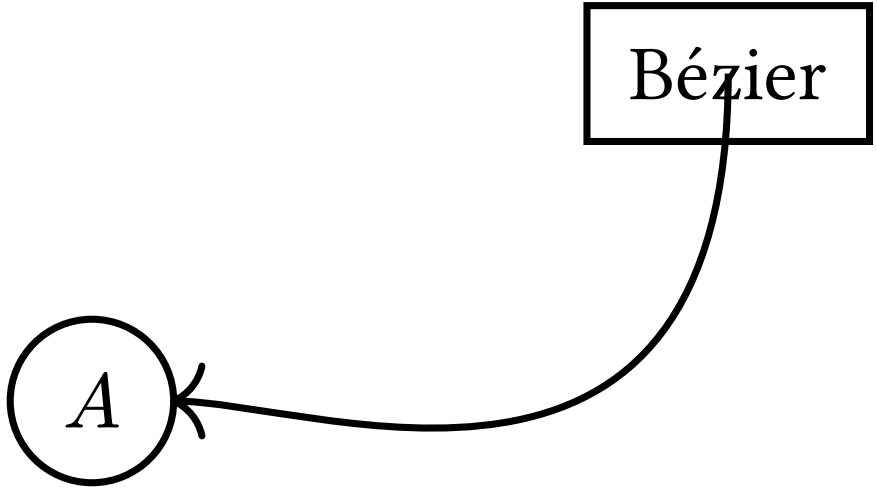


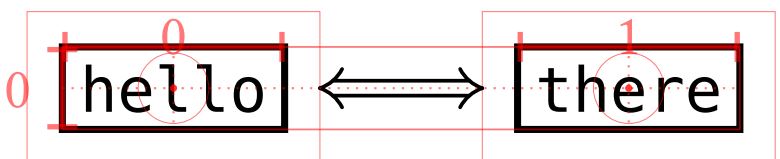
Diagram-level options



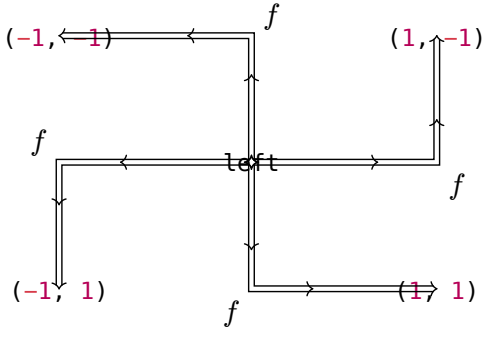
CeTZ integration

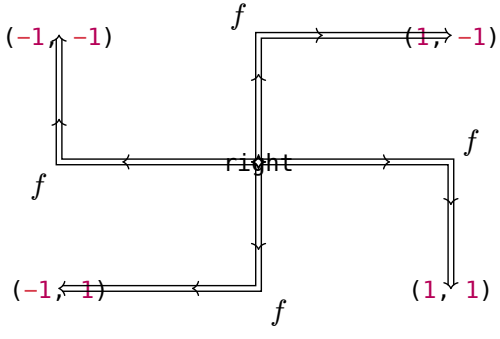


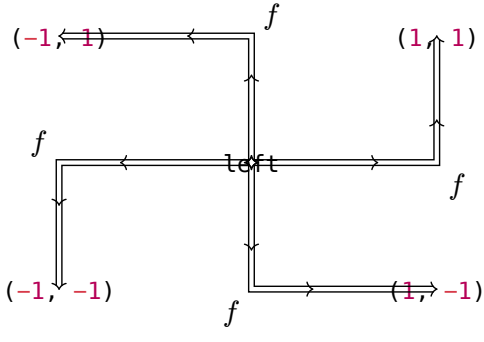
Node bounds, inset, and outset

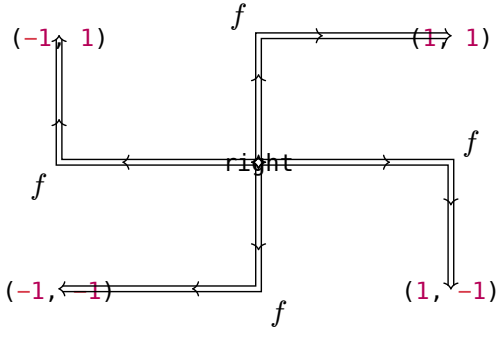


Corner edges

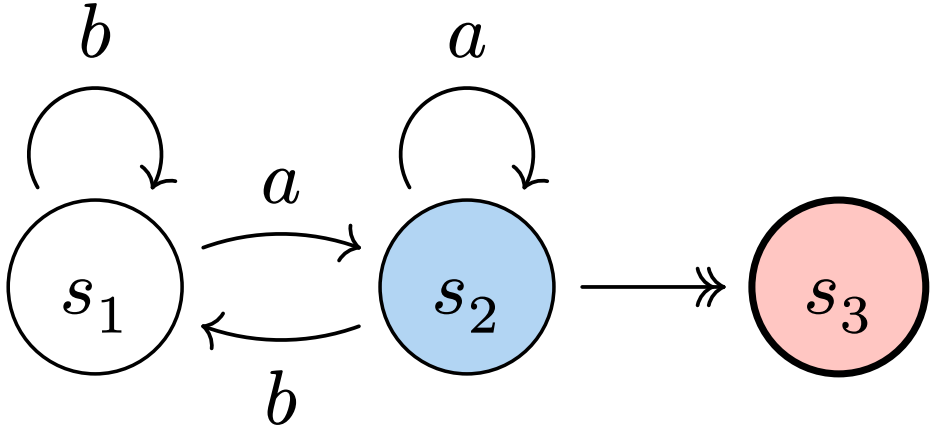








Double node strokes



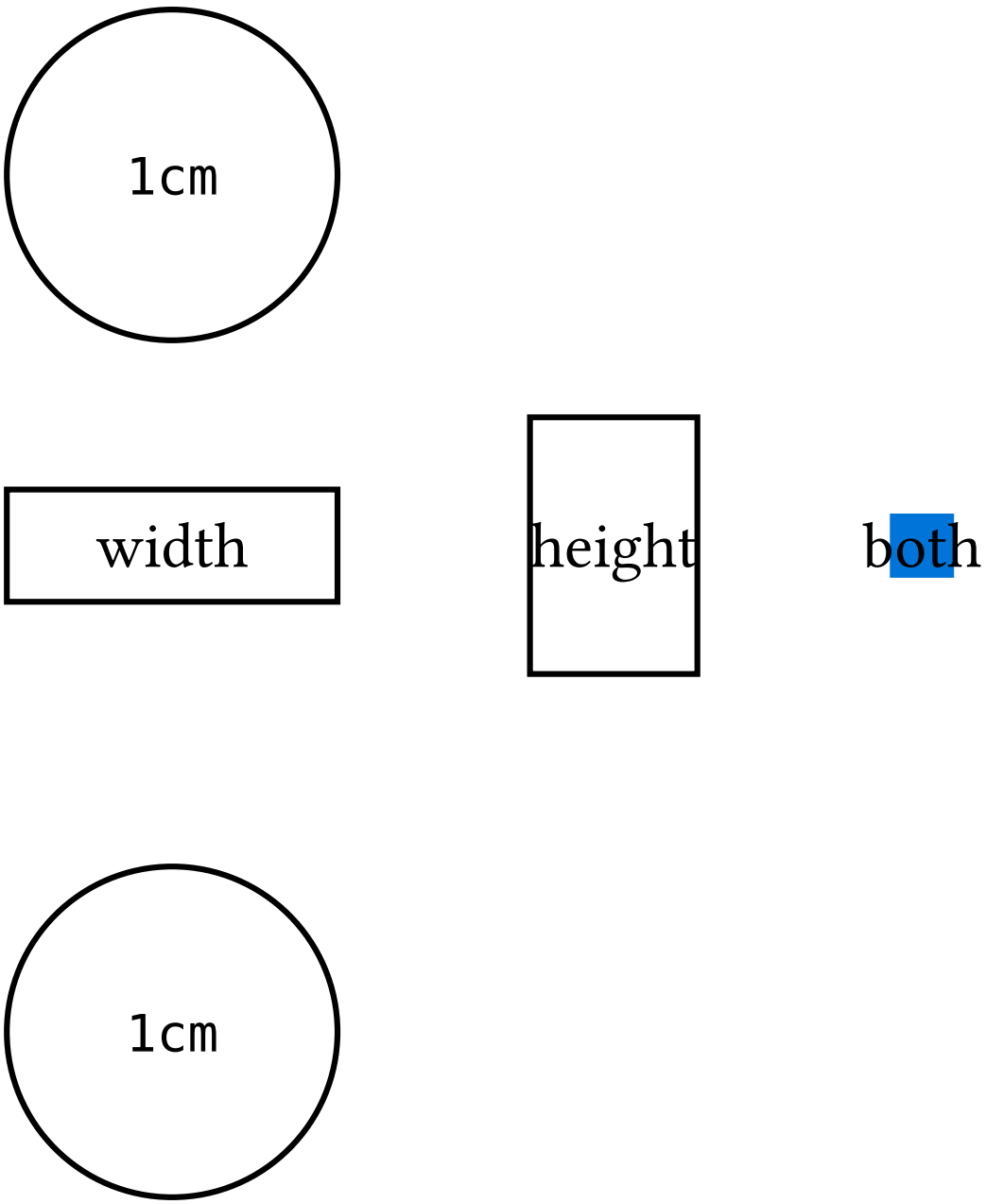
outer inner middle

Relative and absolute extrusion lengths

outer inner

Custom node sizes

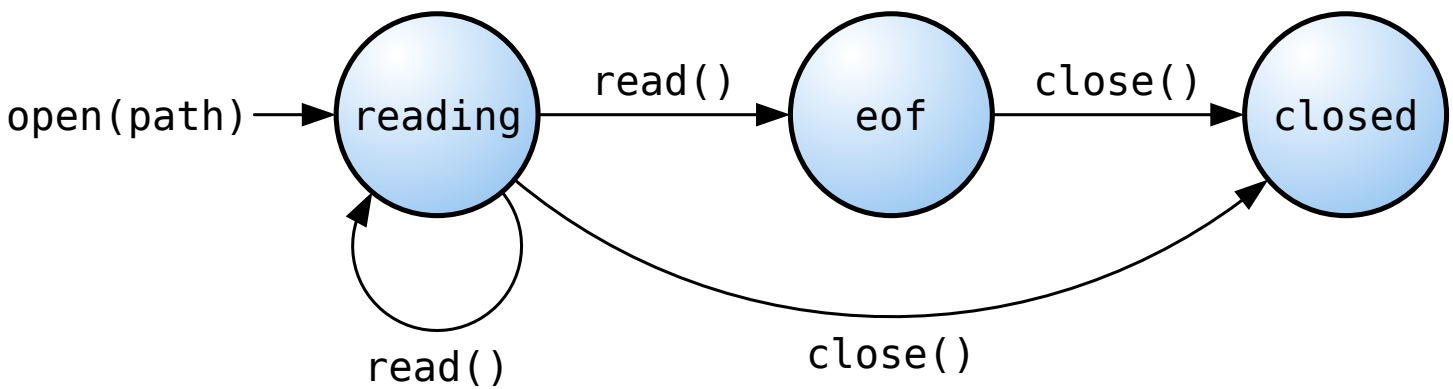
Make sure provided dimensions are exact, not affected by node `inset`.



Example

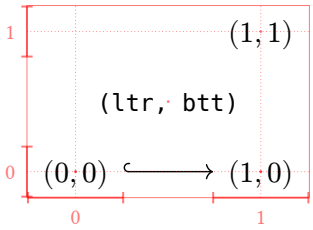
Make sure node or edge labels don't pick up equation numbers!

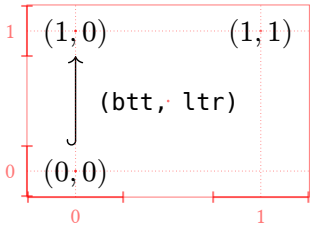
$$a^2 \tag{1}$$

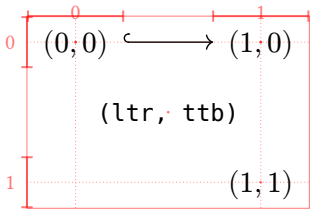


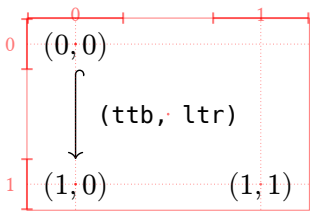
$$b^2 \tag{2}$$

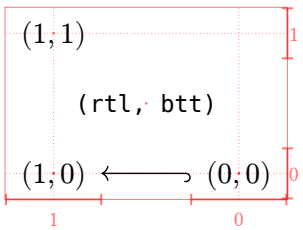
Axes configuration

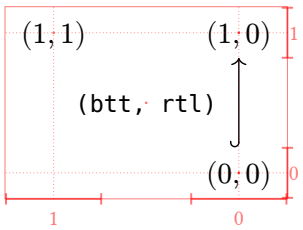


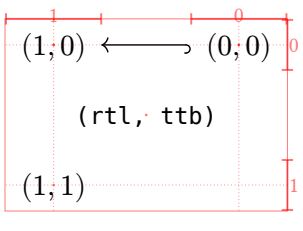


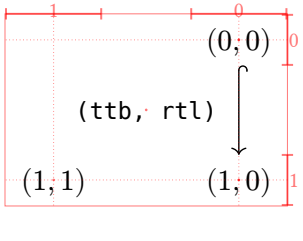




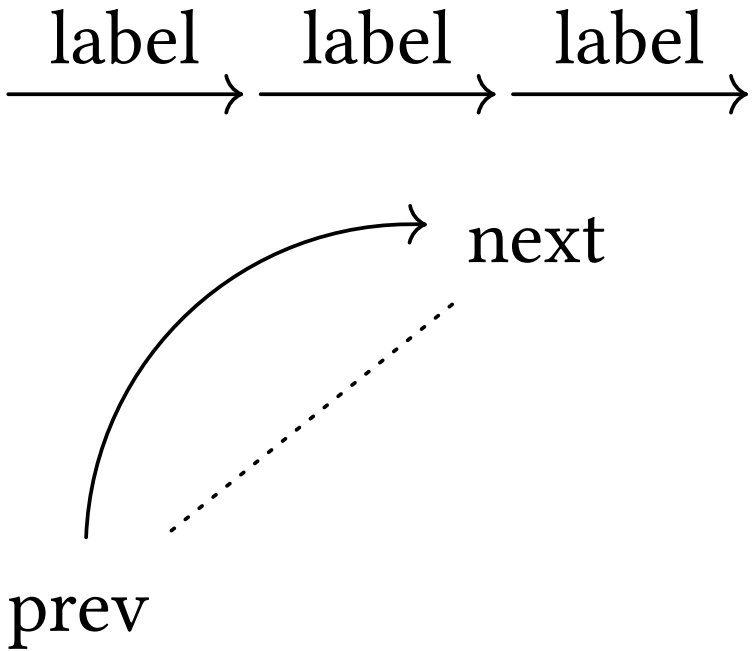








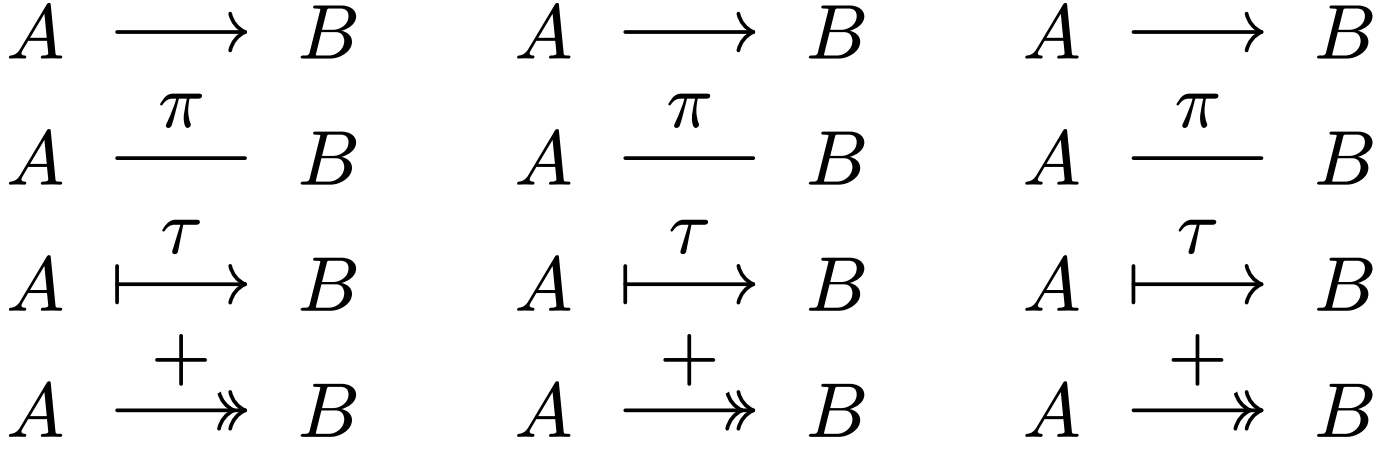
Implicit `from` and `to` points



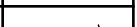
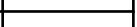
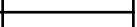
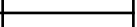
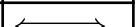
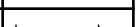
Edge positional arguments

Explicit named arguments versus implicit positional arguments.

Each row should be the same thing repeated.

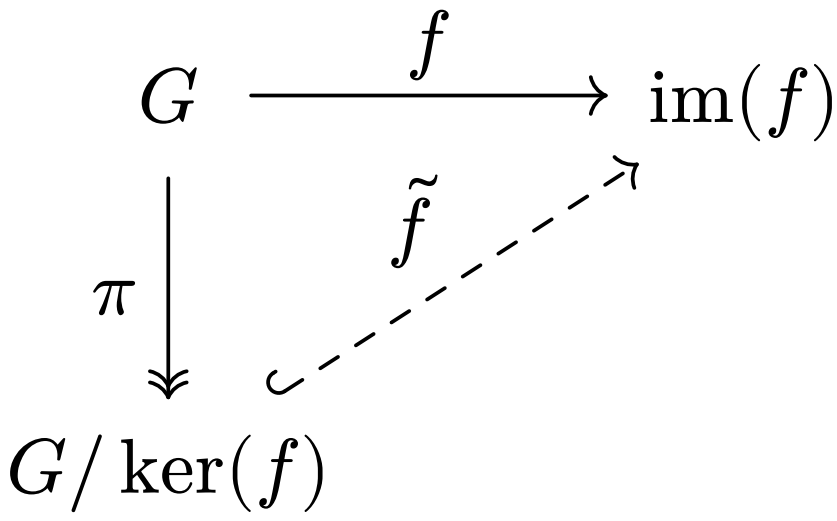


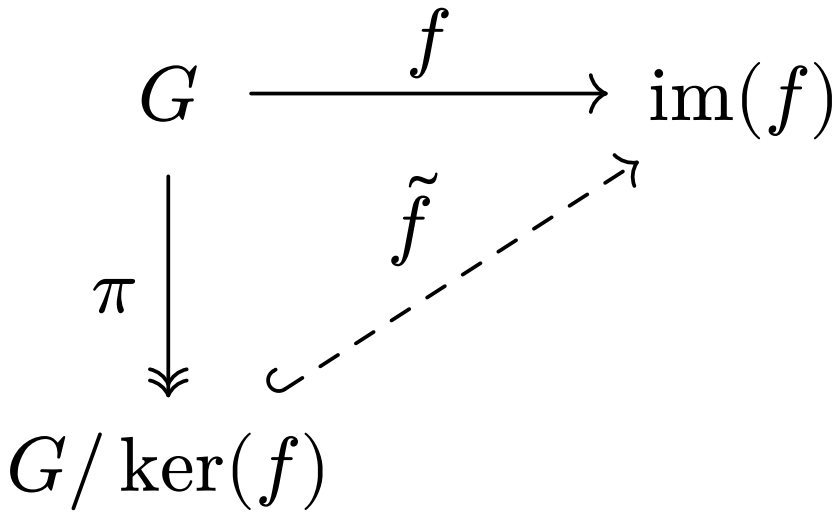
Symbol arrow aliases

Math	Unicode	Mark	Diagram
→	→	`->`	
⟶	?	`->`	
←	←	`<-`	
↔	↔	`<->`	
⟷	?	`<->`	
↠	?	`->>`	
↞	?	`<<-`	
↣	?	`>->`	
↢	?	`<-<`	
⇒	⇒	`=>`	
⟹	?	`=>`	
⟸	?	`<=`	
⇔	⇔	`<=>`	
⟺	?	`<=>`	
↦	↦	`|->`	
⤇	?	`|=>`	
⇝	?	none!	none!
⇜	?	none!	none!
↪		`hook->`	
↩		`<-hook'`	

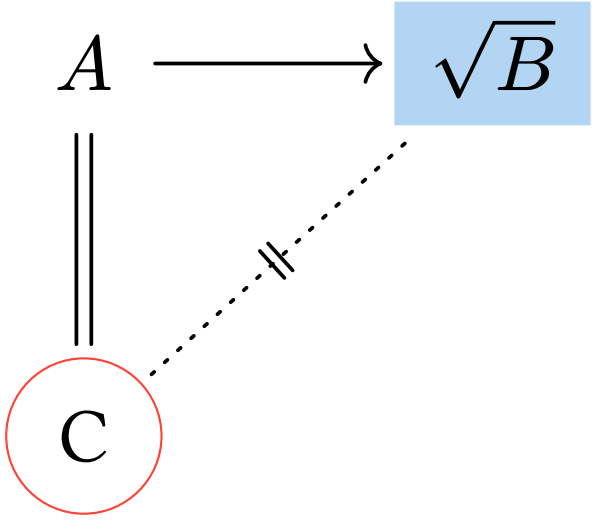
Math-mode diagrams

The following diagrams should be identical:

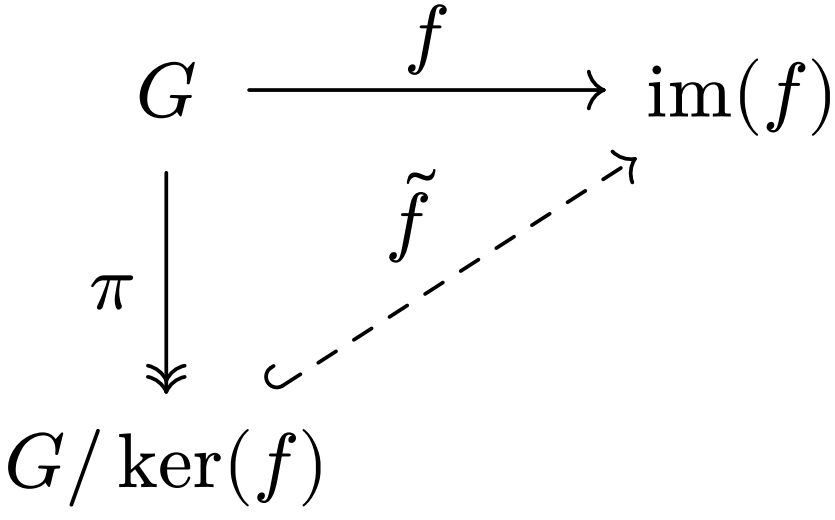


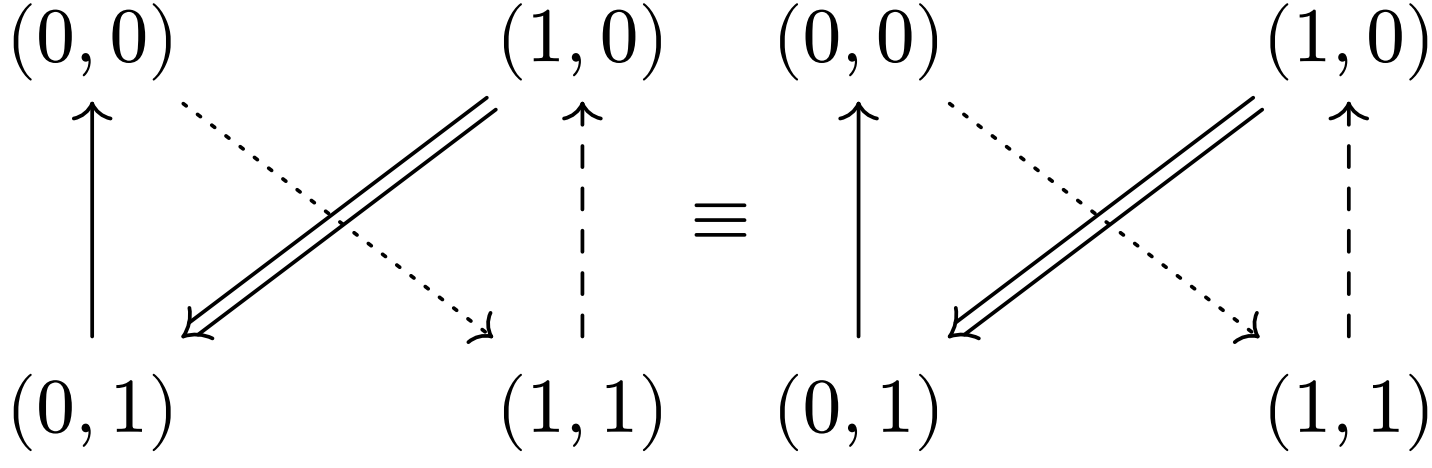


Nodes in math-mode



Relative node coordinates





Edge paths