

decksh tests

version

2024-09-16-1.0.0

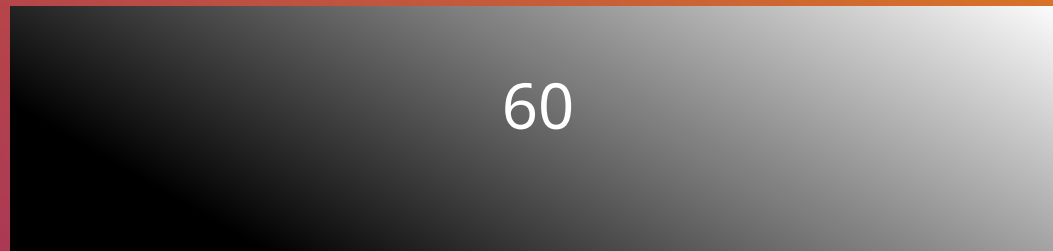
Empty

Background color only




Background and Foreground

Gradient only

Gradient and Foreground



Colors, fonts, opacity

Colors	Fonts		Opacity (0-100)	
<code>"steelblue"</code>	<code>"sans"</code>	Sans Serif	100	
<code>"#4682b4"</code>	<code>"serif"</code>	Serif	50	
<code>"rgb(70,130,180)"</code>	<code>"mono"</code>	Monospace	20	
<code>"hsv(207,61,71)"</code>	<code>"symbol"</code>	***		
<code>maroon/blue/90</code>				

maroon



#800000



rgb(128,0,0)



hsv(0,100,50)



Functions

(20, 80)



(40, 80)



(60, 80)



(80, 80)



(20, 60)



(40, 60)



(60, 60)



(80, 60)



(20, 40)



(40, 40)



(60, 40)



(80, 40)



(20, 20)



(40, 20)



(60, 20)



(80, 20)



(50, 10)



Conditionals

r=0.50 x=0.35 b=4.86

equal to	r == x	
not equal to	r != x	YES
greater than	r > x	YES
less than	r < x	
greater than or equal to	r >= x	YES
less than or equal to	r <= x	
between	r >< x b	YES

Conditionals (if -- else -- eif)

```
if rv > xv
    ctext "rv is greater than xv" 50 75 4
    ctext rval 10 75 3
    ctext xval 90 75 3
    rect 50 52 100 20 "red" 20
else
    ctext "in the else clause" 50 5 4
    ctext rval 10 5 3
    ctext xval 90 5 3
    rect 50 25 100 20 "blue" 20
eif
```

r=47.48

in the else clause

x=69.35

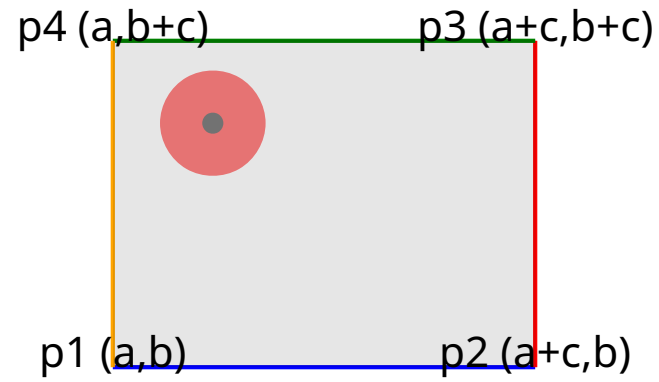
String Conditionals



strings are not equal



Coordinates



Included data from another file

Content (see test.md.pdf)

Grid



```
circle x y 1  
circle x y 2  
circle x y 4
```



```
circle x y 4  
circle x y 2  
circle x y 1
```



```
arc x y 3 3 0 90  
arc x y 3 3 90 180  
arc x y 3 3 180 270
```



```
square x y 4 "red"  
square x y 4 "green"  
square x y 4 "blue"
```



```
image "follow.jpg" x y 640 480 10  
image "follow.jpg" x y 640 480 10  
image "follow.jpg" x y 640 480 10
```

Now is the time for all
good men to come to
the aid of the party &
'do it now'

```
package main

import (
    "fmt"
)

func main() {
    fmt.Println("hello, world")
}
```

Now is the time for
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```
package main

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    "fmt"
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func main() {
    fmt.Println("hello, world")
}
```

Now is the
time for
all good
men to come
to the aid
of the party
& 'do it
now'

Now is the
time for all
good men
to come to
the aid of the
party & 'do
it now' (read
from a file)

AAPL Volume (Millions)

2017-09-01	679.879
2017-10-01	504.291
2017-11-01	600.663
2017-12-01	531.184
2018-01-01	659.181
2018-02-01	927.894
2018-03-01	713.728
2018-04-01	666.154
2018-05-01	617.408
2018-06-01	527.298
2018-07-01	393.691
2018-08-01	163.768

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Text and Alignment

one

two

three

four

one

two

three

four

one

two

three

four

two (90)

one (0)

four (270)

moving on up

hello there world

this is only a test

coming down

Binary and Assignment Operators

$a+b$ ($y+=60$)

$a-b$ ($y-=10$)

$a\%b$

a/b ($y*=-1.5$)

$a*b$ ($y/=3$)

Lists

one

- one

1. one

two

- two

2. two

three

- three

3. three

one

- one

1. one

two

- two

2. two

three

- three

3. three

one

- one

1. one

two

- two

2. two

three

- three

3. three

one

- one

1. one

two

- two

2. two

three

- three

3. three

one

- one

1. one

two

- two

2. two

three

- three

3. three

Centered List

one

two

three

four

one

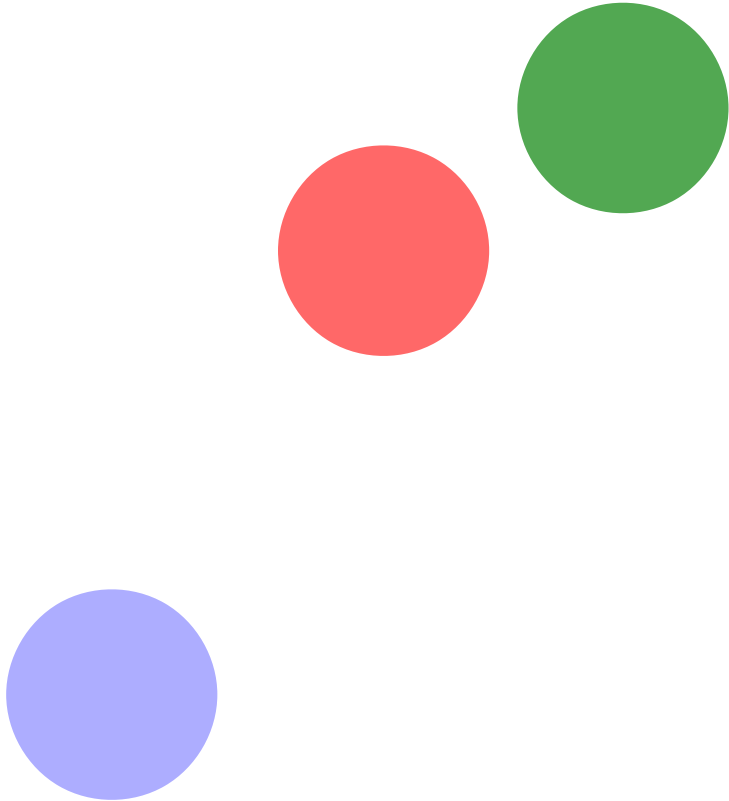
two

three

four

Loops

Random



Square Root

$$\text{sqrt } 8 = 2.8284271247461903$$

$$\text{sqrt } 8 + 6 = 3.7416573867739413$$

$$\text{sqrt } 8 - 6 = 1.4142135623730951$$

$$\text{sqrt } 8 * 6 = 6.928203230275509$$

$$\text{sqrt } 8 / 6 = 1.1547005383792515$$

Sine

$$\text{sine } 3.1415926 = 5.3589793170057245\text{e-}08$$

$$\text{sine } 3.1415926 + 0.707 = -0.6495557148113534$$

$$\text{sine } 3.1415926 - 0.707 = 0.6495557963014893$$

$$\text{sine } 3.1415926 * 0.707 = 0.7958963696196476$$

$$\text{sine } 3.1415926 / 0.707 = -0.9640809602990886$$

Cosine

$$\text{cosine } 3.1415926 = -0.999999999999999986$$

$$\text{cosine } 3.1415926 + 0.707 = -0.7603139965539972$$

$$\text{cosine } 3.1415926 - 0.707 = -0.7603139269348801$$

$$\text{cosine } 3.1415926 * 0.707 = -0.6054328772260928$$

$$\text{cosine } 3.1415926 / 0.707 = -0.2656085502930713$$

Tangent

$$\text{tangent } 3.1415926 = -5.358979317005727\text{e-}08$$

$$\text{tangent } 3.1415926 + 0.707 = 0.8543256046256702$$

$$\text{tangent } 3.1415926 - 0.707 = -0.8543257900326782$$

$$\text{tangent } 3.1415926 * 0.707 = -1.31459060047449$$

$$\text{tangent } 3.1415926 / 0.707 = 3.629706043857873$$

Format

Widget 1: 10.00

Widget 2: 120.000

Total Widgets: 130

Format (2)

x=10

(x=10.00, y=20.00)

(x=10 y=20 z=30)

x=10 y=20 z=30 x1=66

x=10 y=20 z=30 x1=66 x2=33

x plus y=30

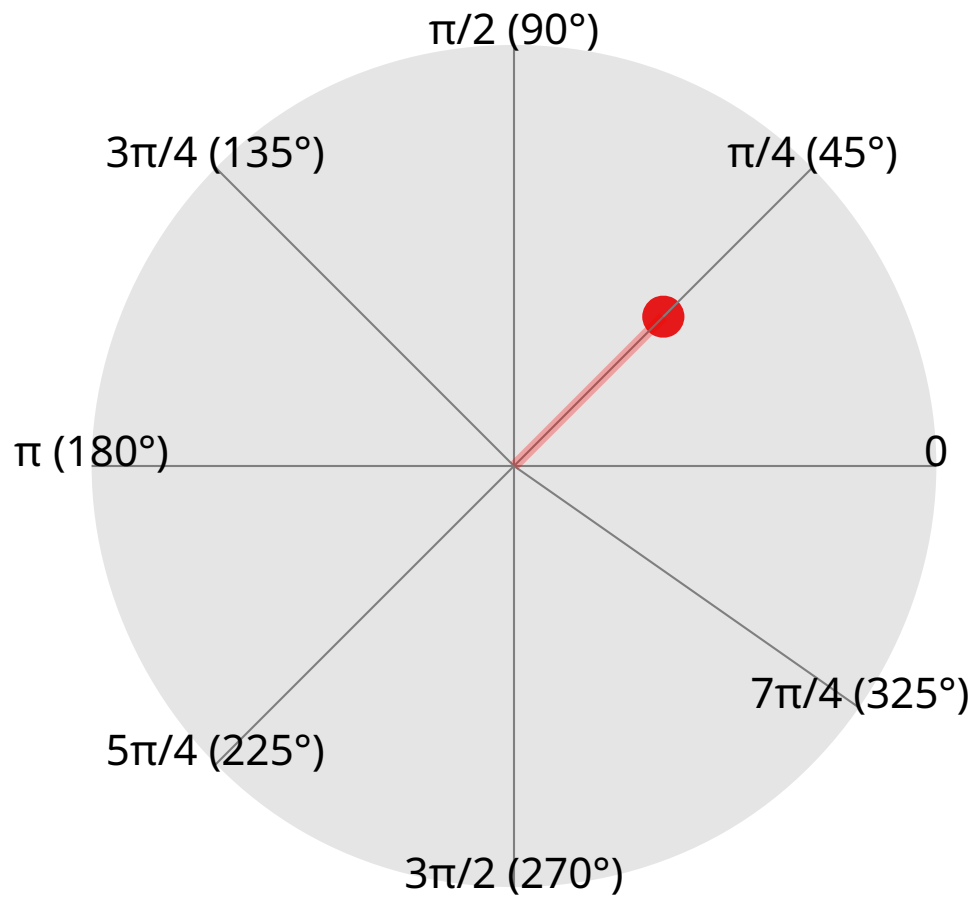
x minus y=-10

x divided by y=0.5

x times y=200

x mod y=10

Polar Coordinates



Map Ranges

1958

1980

1990

2020

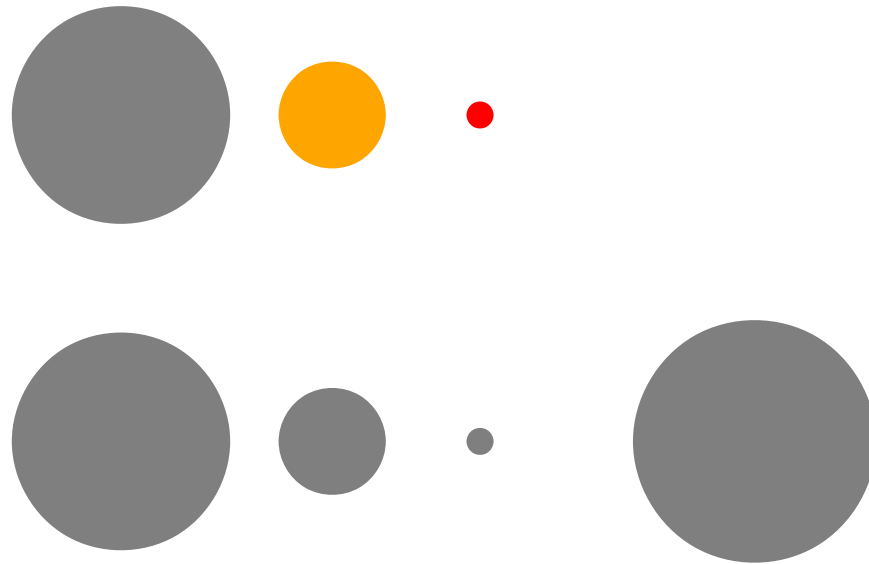
1958

1978

1980

end

Areas



substr

```
s="hello, world"
```

```
substr s - -          hello, world
```

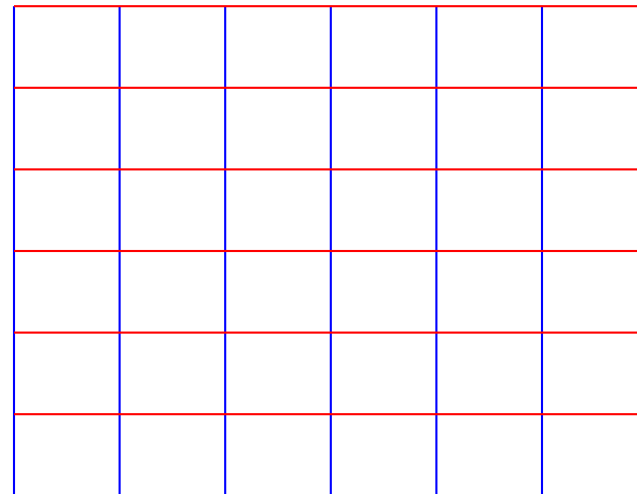
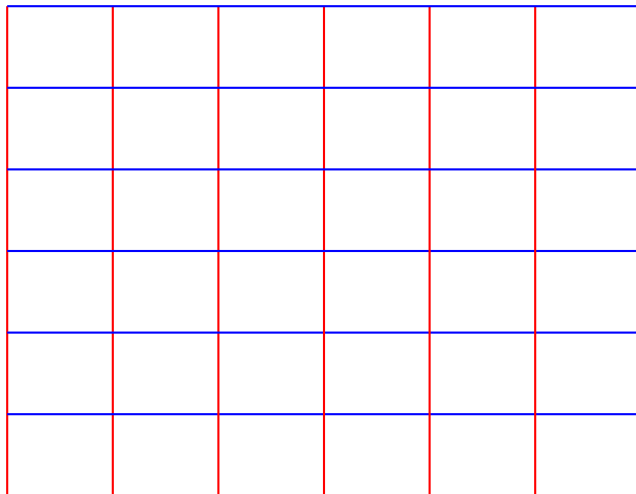
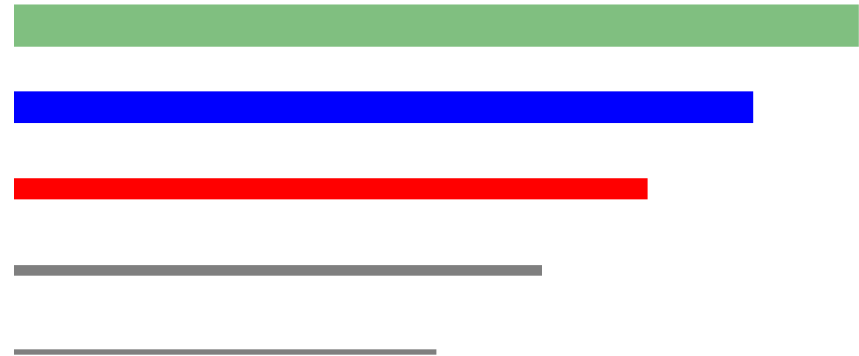
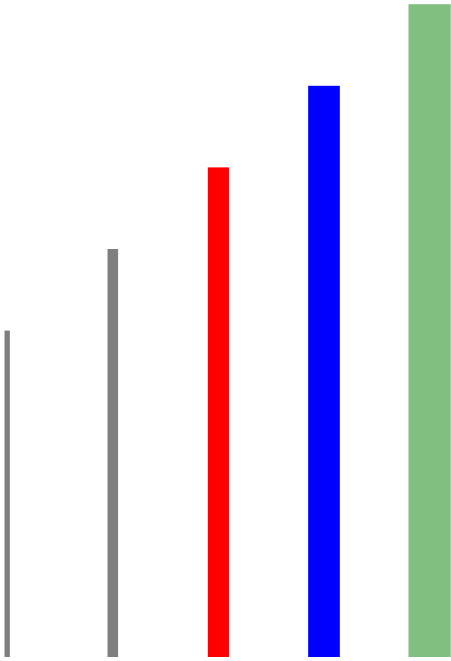
```
substr s - 4          hello
```

```
substr s 7 -          world
```

```
substr s 3 8          lo, wo
```

```
substr "This is a test" 5 8    is a
```


Lines

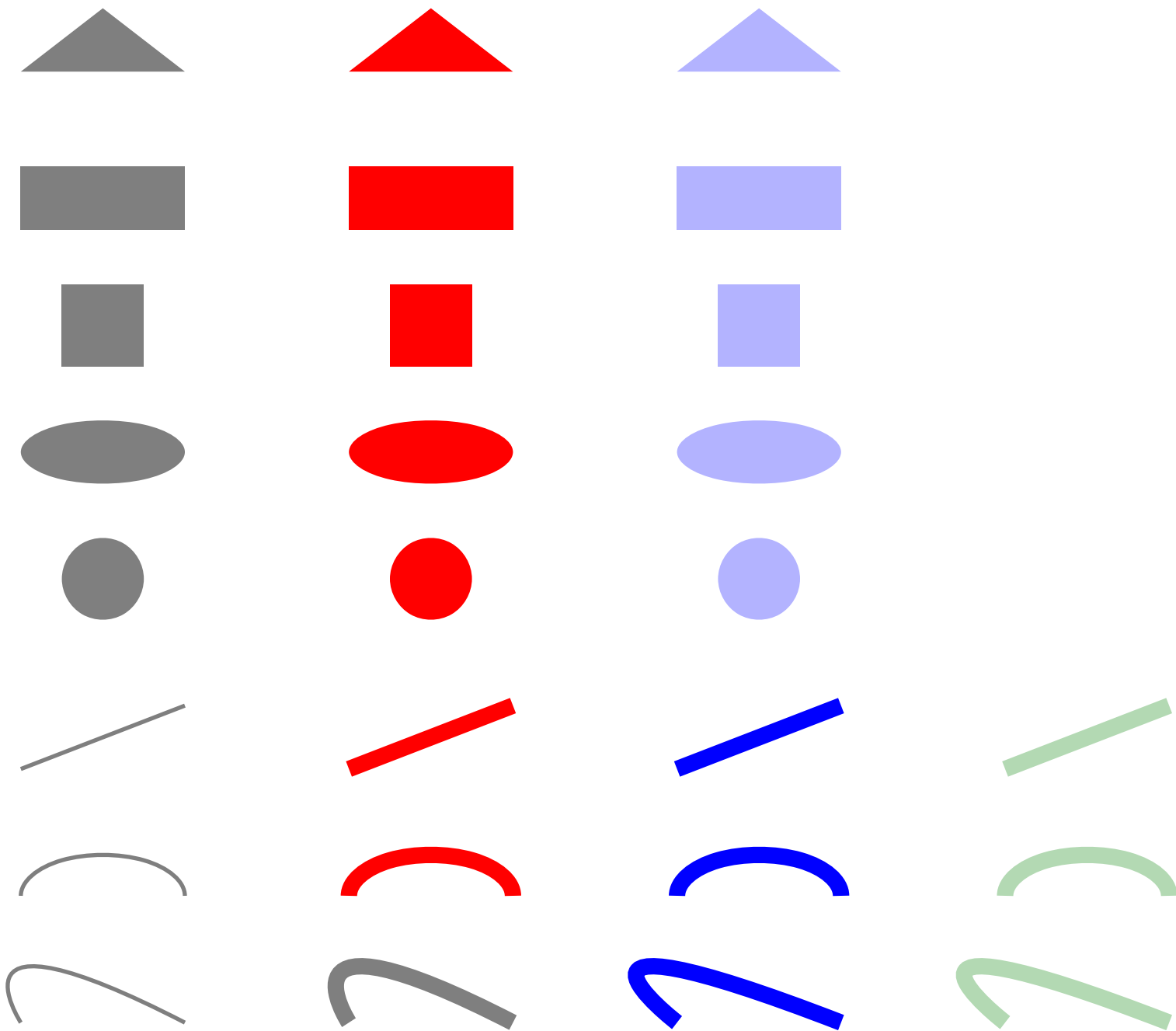


Stars



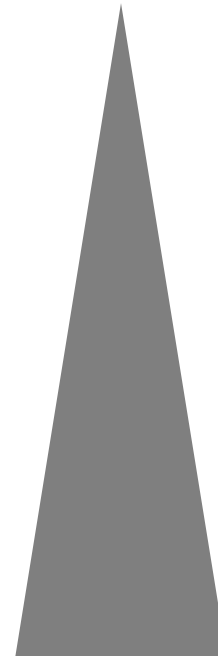
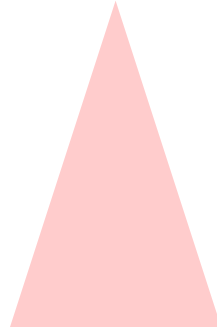
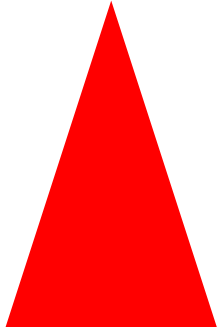
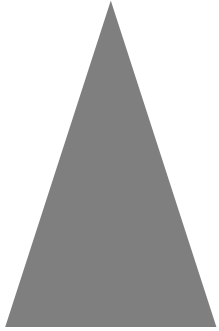
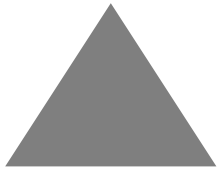
Pill/Rounded Rectangles



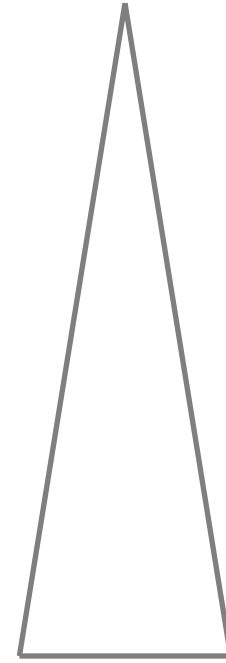
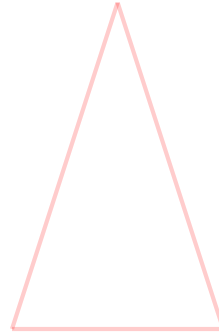
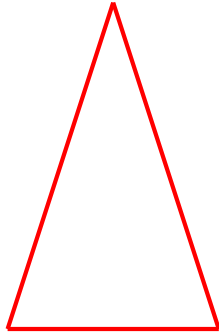
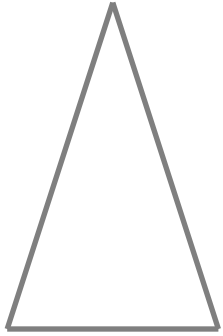
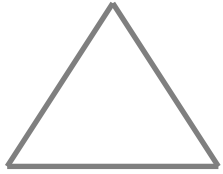


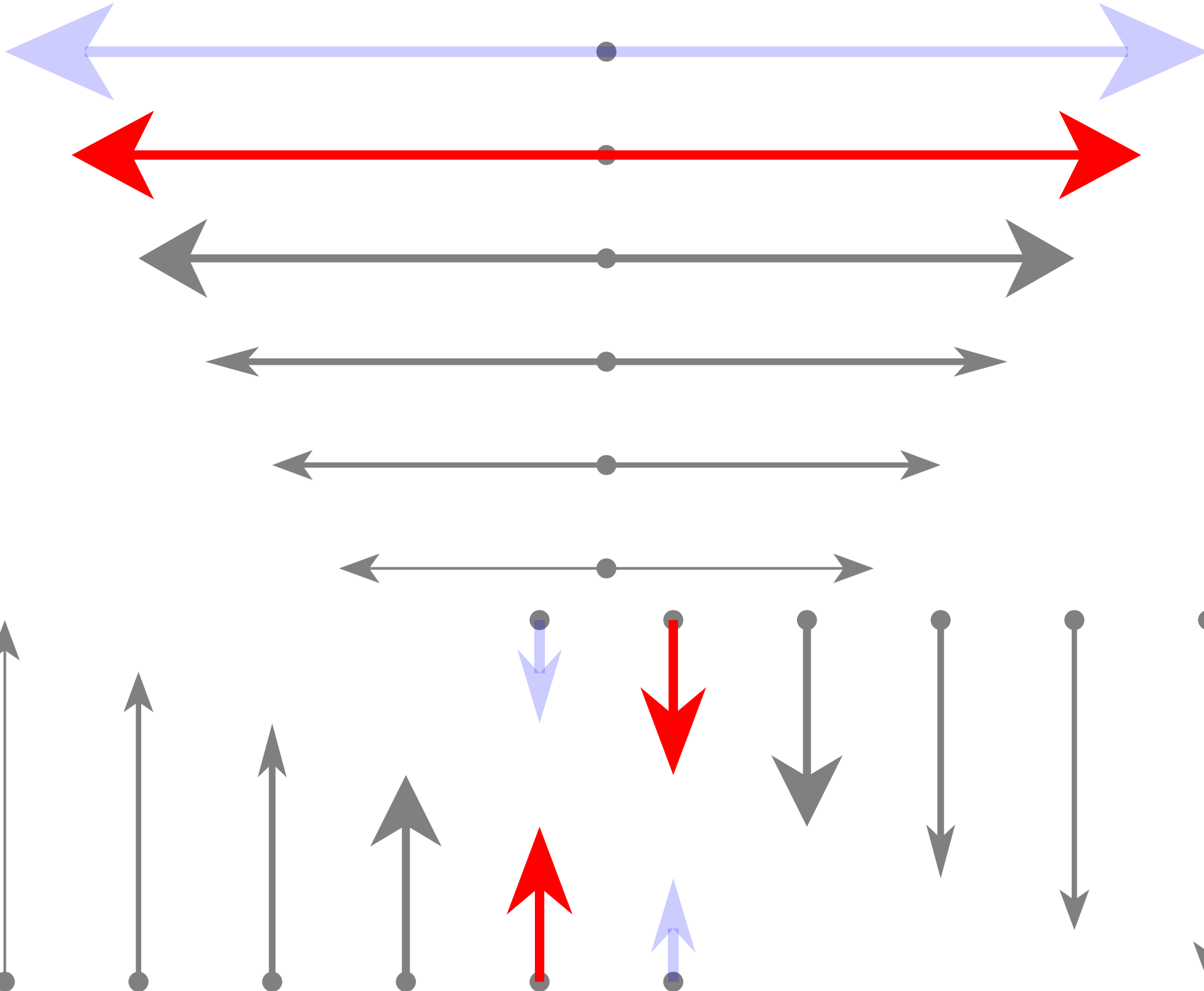
Shapes

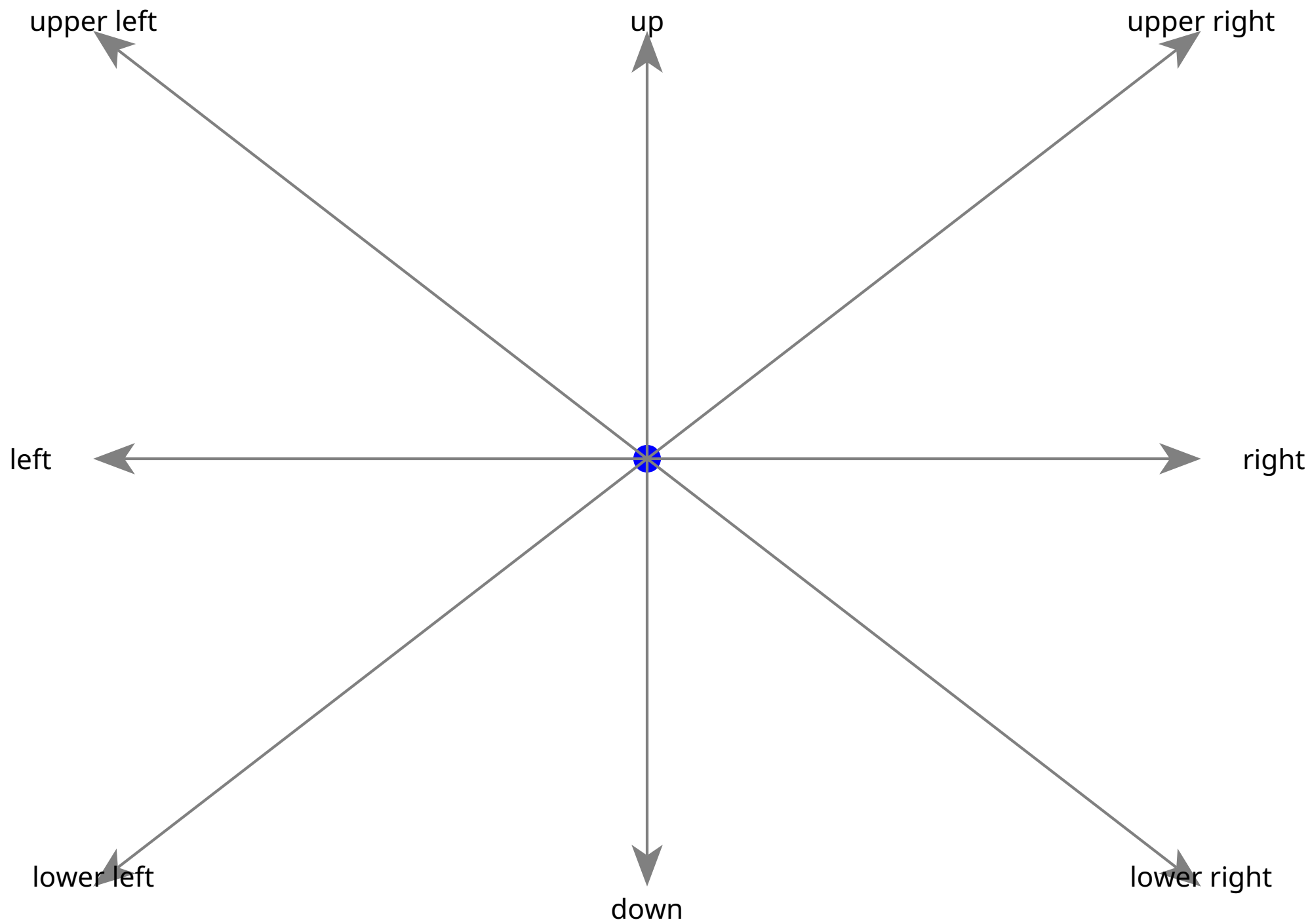
Polygon Eval

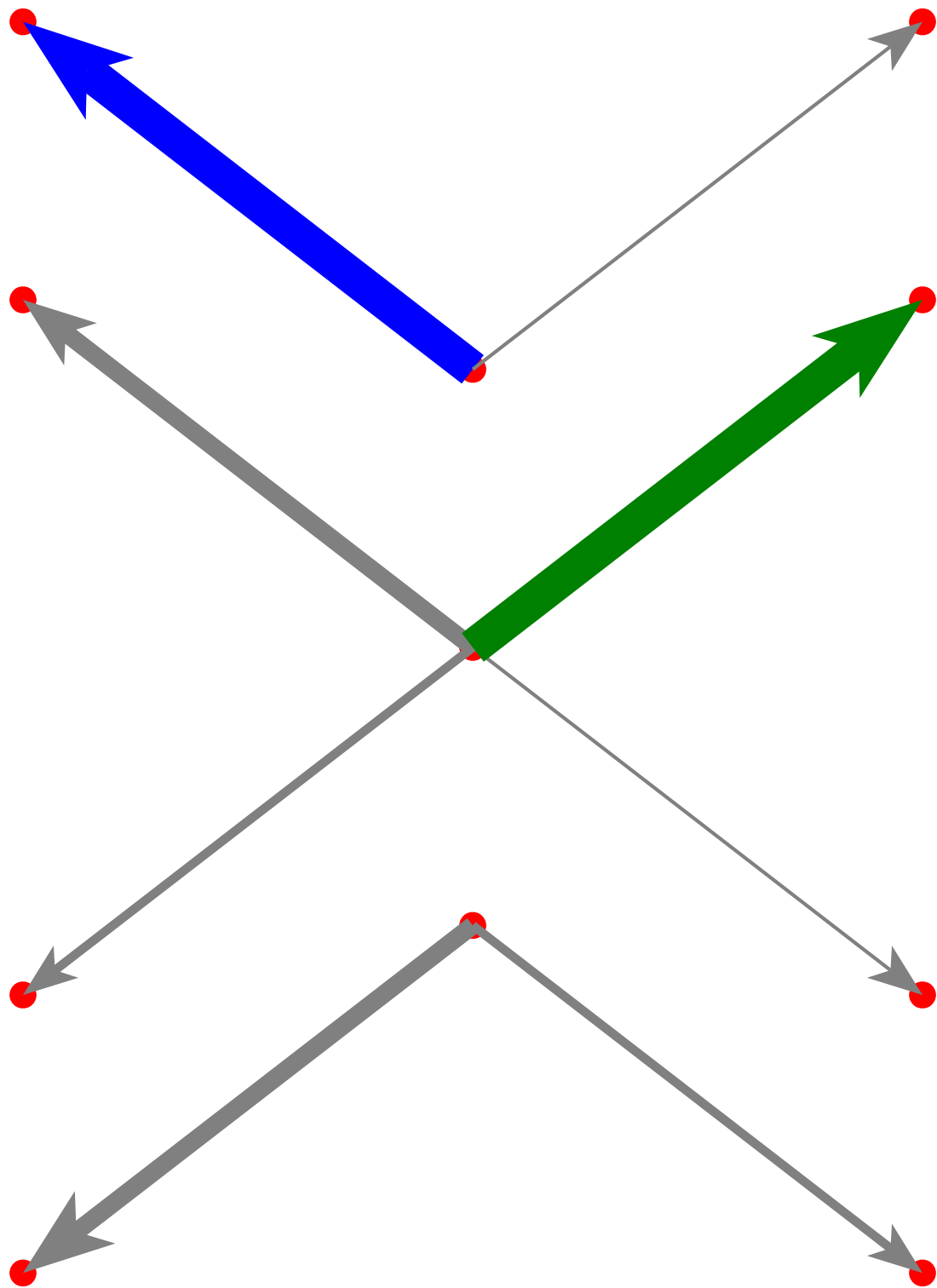


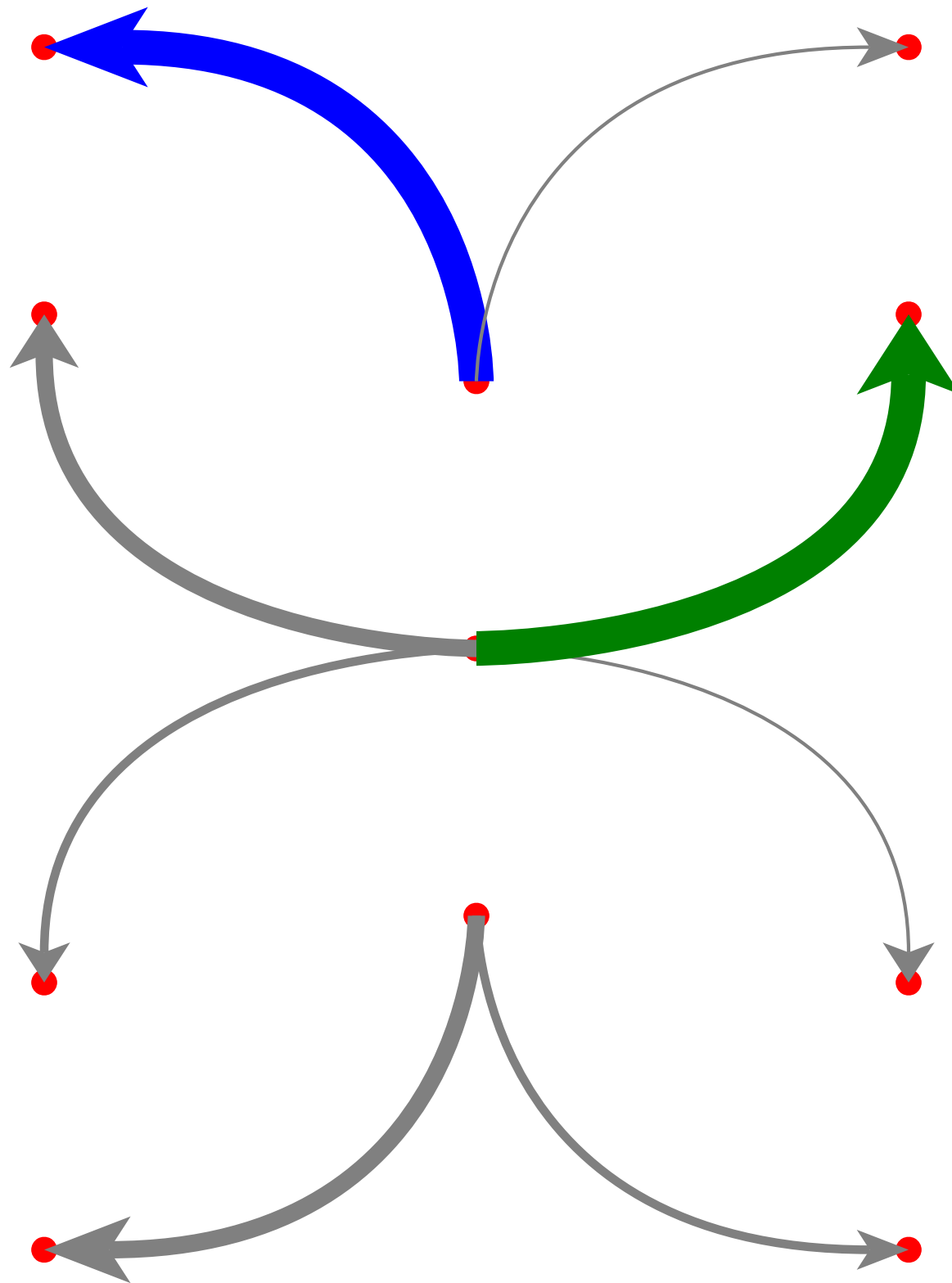
Polyline Eval

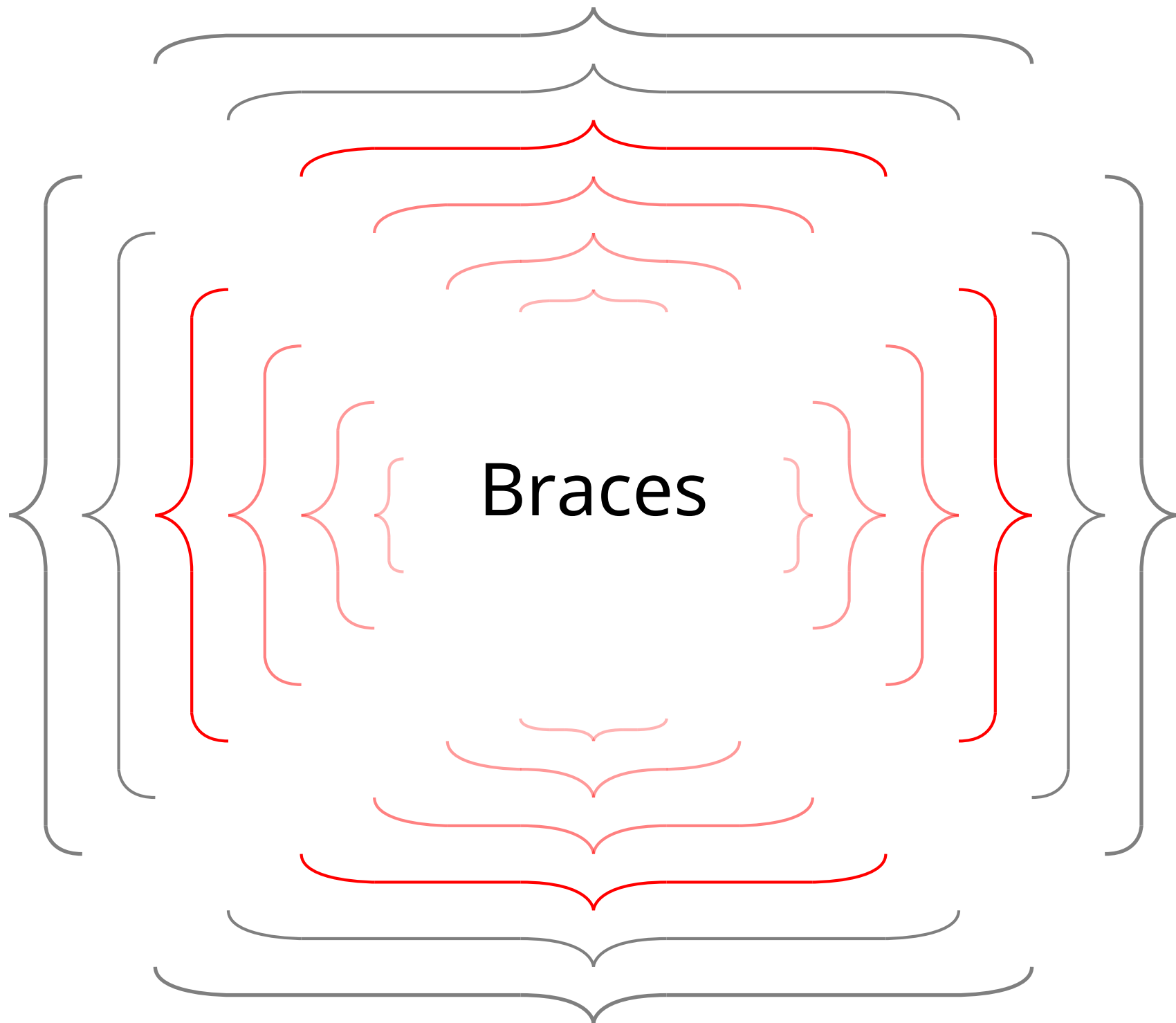


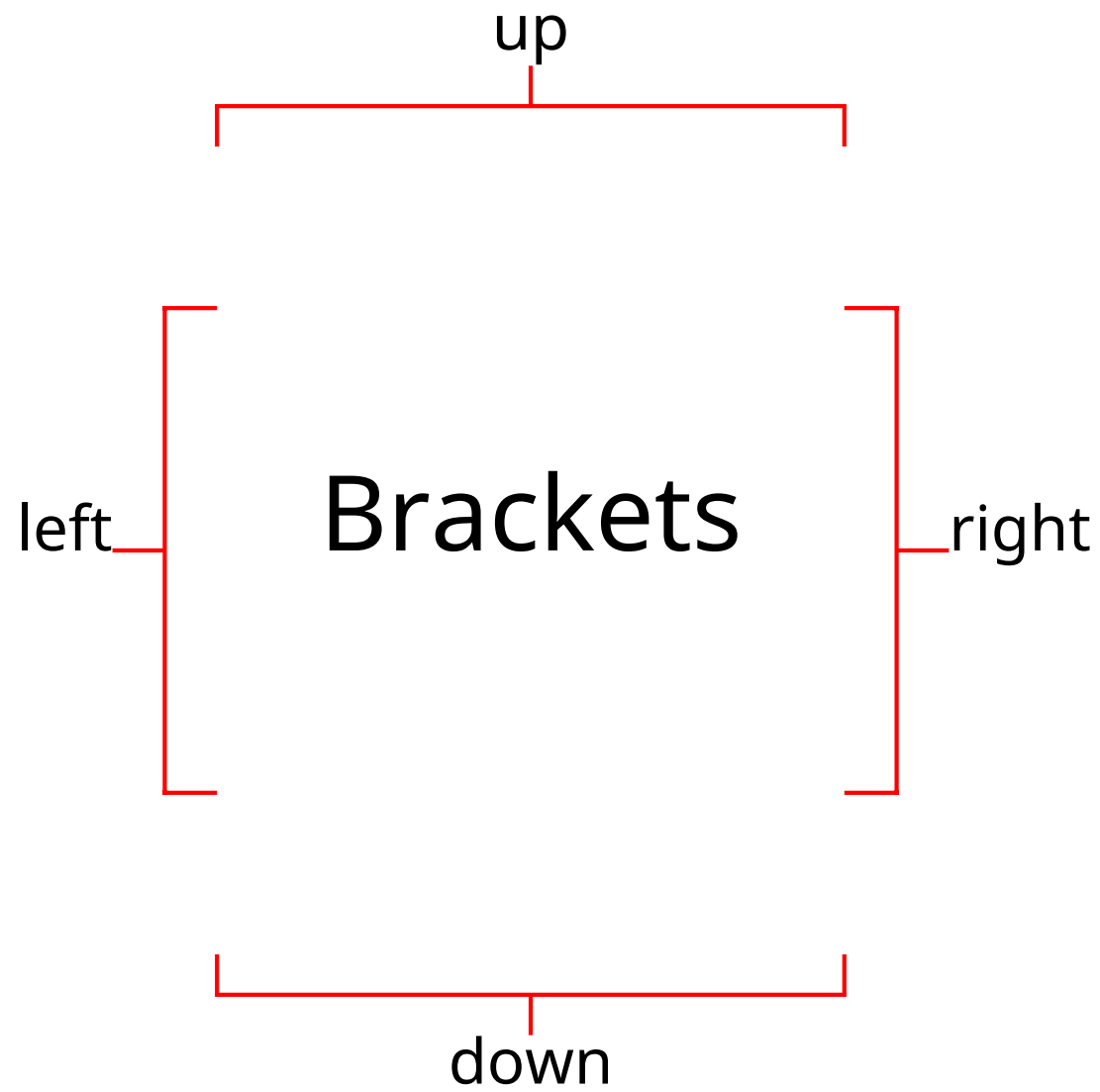




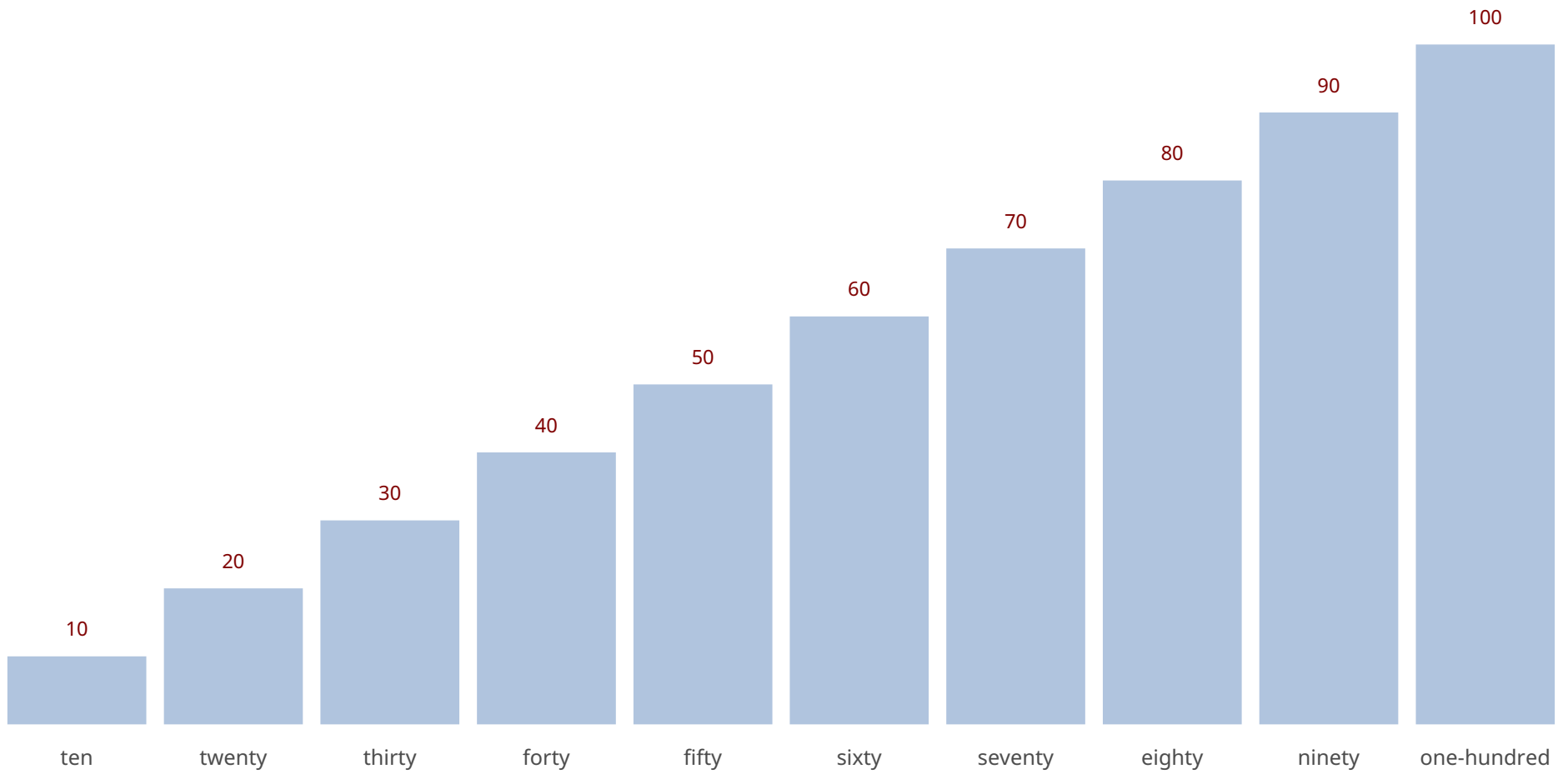


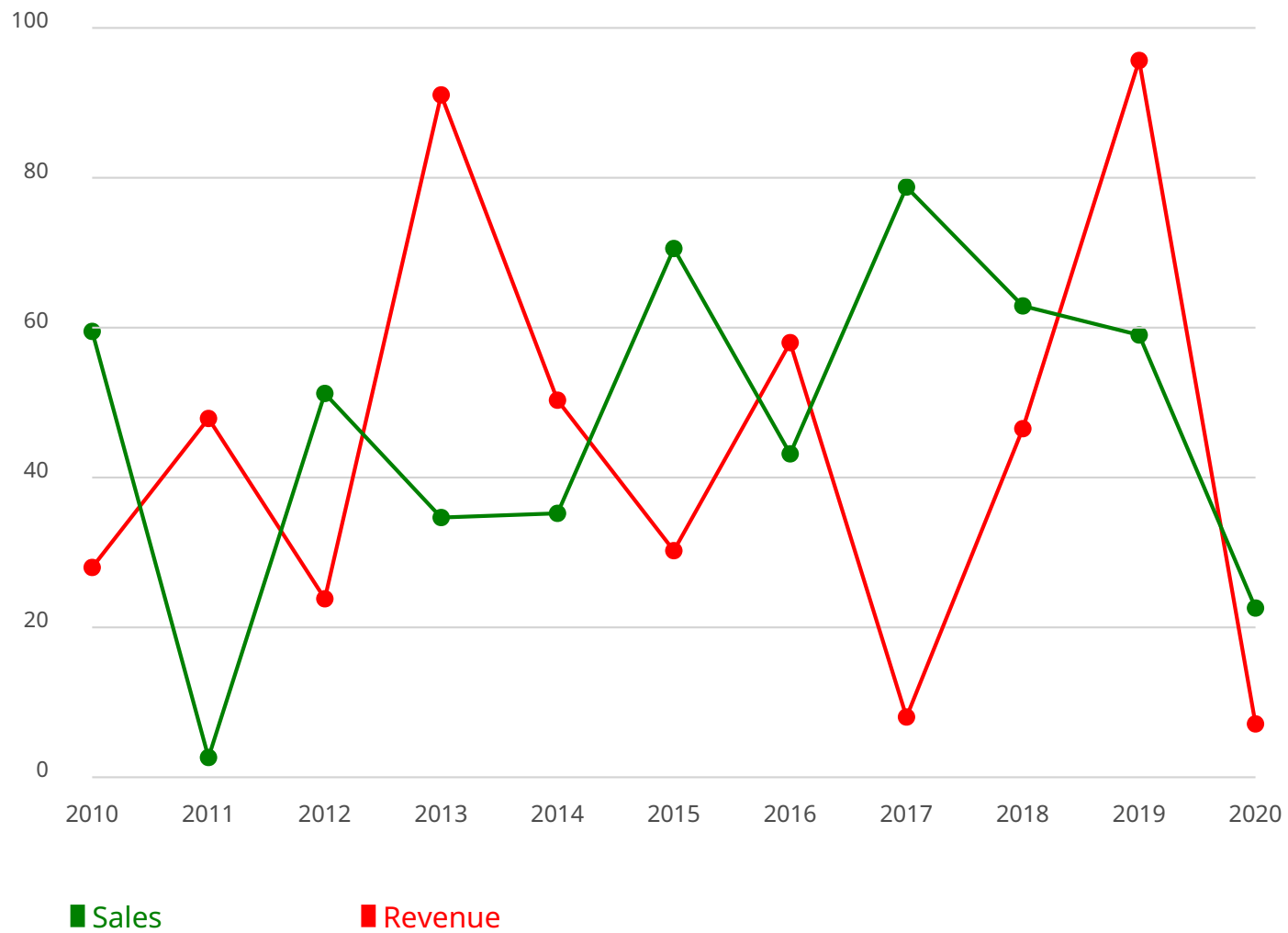






foo









LARGE

Width Scaled Image

10%



30%

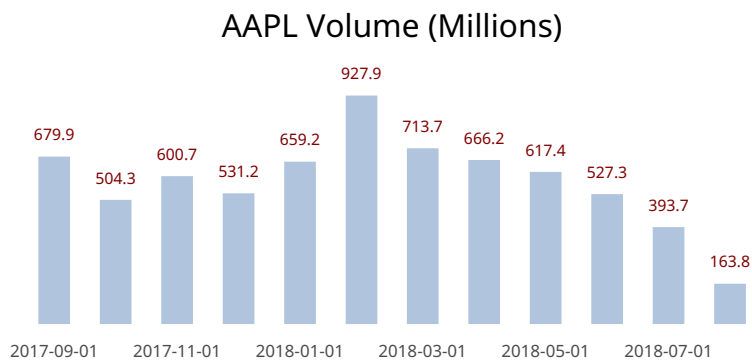


50%

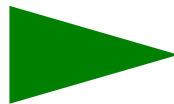


Deck elements

- text, image, list
- rect, ellipse, polygon
- line, arc, curve



Dreams



text

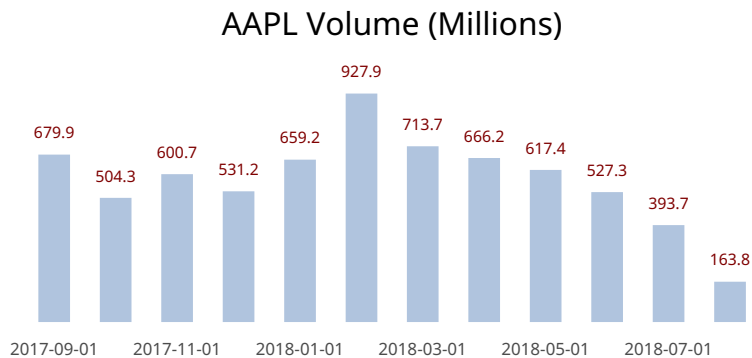
Deck elements

list

- text, image, list
- rect, ellipse, polygon
- line, arc, curve

image

chart



Dreams

rect



ellipse



polygon



line



arc



curve

