A guide to the **line style** arguments for R graphics

R has four line style arguments: line width, line end style, line join style, and line type. These graphical arguments and their parameters are described within the documentation for the `par()` function of the graphics package.

All four arguments can be set in `plot()`. Only line width and line type can be set in `gplot()`.

`lwd`	positive number	*line width*

may be set to any positive number (default = 1)

```
plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lwd=0.5)
```

```
plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lwd=1)
```

```
plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lwd=3.5)
```

`lend`		*line end style*

three styles, specified by either their integer or name   (default = "round")

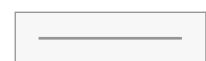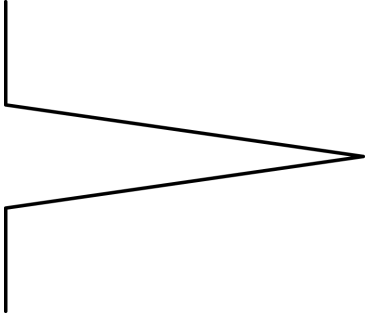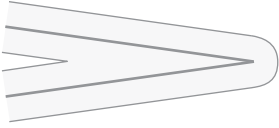| 0 | "round" | `plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lwd=5, lend=0)` |
| 1 | "butt" | `plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lwd=5, lend=1)` |
| 2 | "square" | `plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lwd=5, lend=2)` |

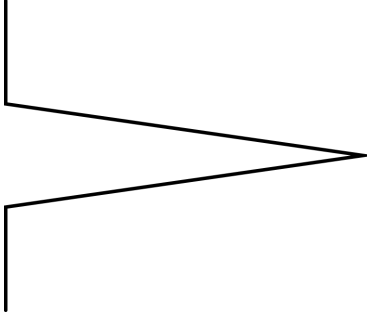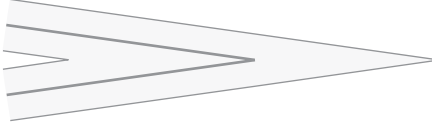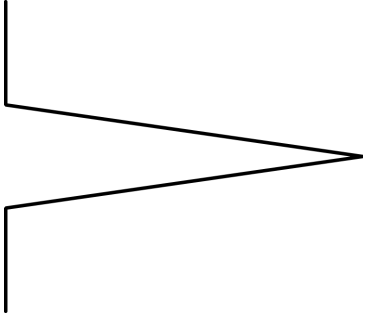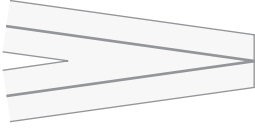round   butt   square

ljoin   *line join style*

three styles, specified by either their integer or name   (default = "round")

| 0 | "round" | `plot(c(0, 0, 4, 0, 0), c(0, 1, 1.5, 2, 3), type="l", lwd=5, axes=FALSE,`
`xlab=NA, ylab=NA, ljoin="round")` |

| 1 | "mitre" | `plot(c(0, 0, 4, 0, 0), c(0, 1, 1.5, 2, 3), type="l", lwd=5, axes=FALSE,`
`xlab=NA, ylab=NA, ljoin="mitre")` |

| 2 | "bevel" | `plot(c(0, 0, 4, 0, 0), c(0, 1, 1.5, 2, 3), type="l", lwd=5, axes=FALSE,`
`xlab=NA, ylab=NA, ljoin="bevel")` |

lty			*line type*
			seven pre-set styles, specified by either their integer or name (default = "solid")
	0	"blank"	`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty=0)`
	1	"solid"	`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty=1)`
	2	"dashed"	`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty=2)`
	3	"dotted"	`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty=3)`
	4	"dotdash"	`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty=4)`
	5	"longdash"	`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty=5)`
	6	"twodash"	`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty=6)`
	string		patterns of on / off can also be specified with strings of 2, 4, 6, or 8 characters (non-zero hexadecimal characters, 1–9 and a–f)
			the pre-set styles are "dashed" = "44", "dotted" = "13", "dotdash" = "1343", "longdash" = "73", "twodash" = "2262"
			`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty="24")`
			`plot(c(0,1), c(0,0), type="l", axes=FALSE, xlab=NA, ylab=NA, lty="1342")`