SVG **path** commands (required to make a Chord diagram)
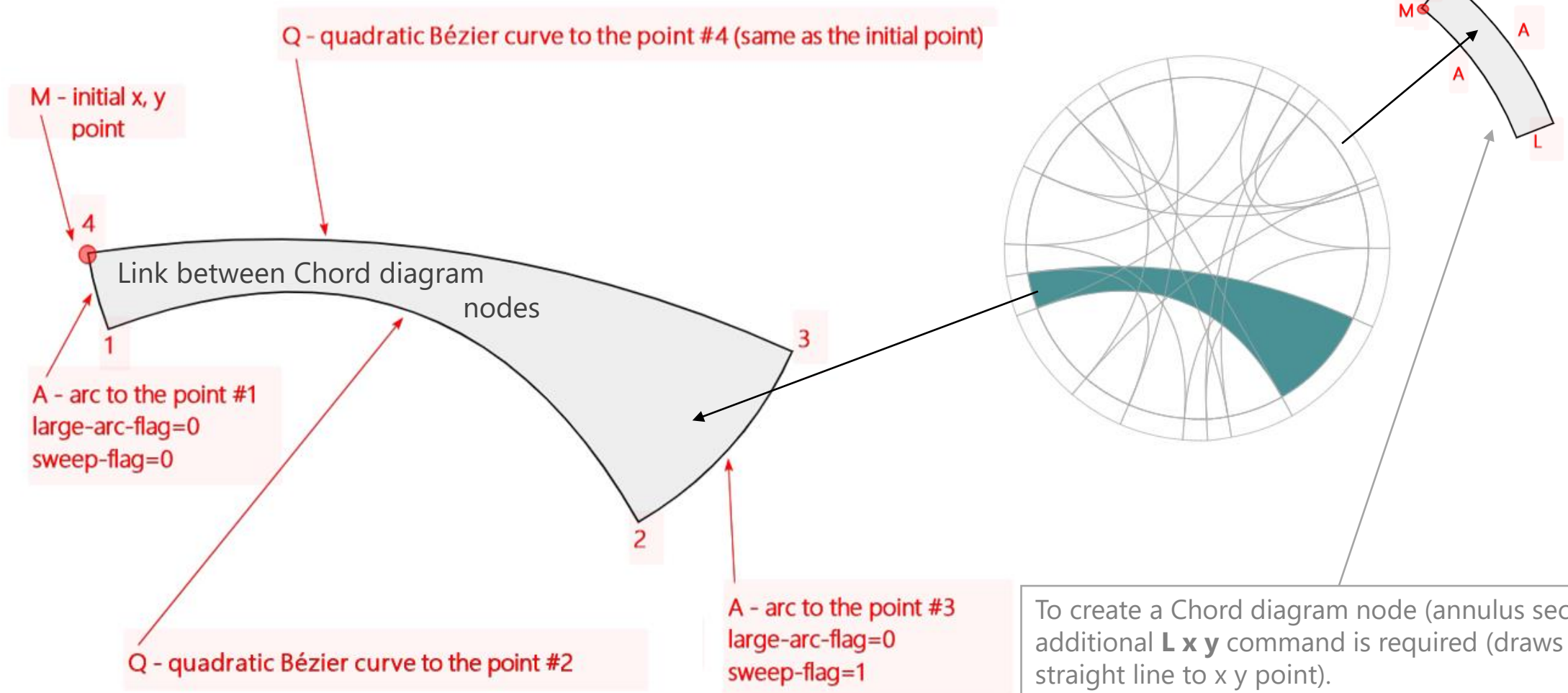
M, A, Q, A, Q, Z – move the pen, draw arc, draw curve, draw arc, draw curve, close path

Q - quadratic Bézier curve to the point #4 (same as the initial point)

M - initial x, y point

4

Link between Chord diagram nodes

1

A - arc to the point #1
large-arc-flag=0
sweep-flag=0

3

2

A - arc to the point #3
large-arc-flag=0
sweep-flag=1

Q - quadratic Bézier curve to the point #2

Z

M

A

A

L

To create a Chord diagram node (annulus sector), additional **L x y** command is required (draws a straight line to x y point).

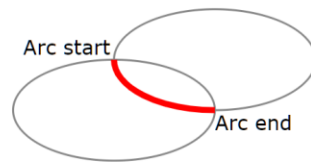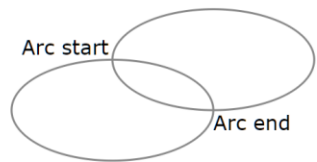M, A, L, A, Z – move, arc, line, arc, close path (line)

In this case Z creates the second straight line.

Z command just ends the path and connects point #4 with the initial point
(in this case it's the same point, otherwise there will be a straight-line connection)
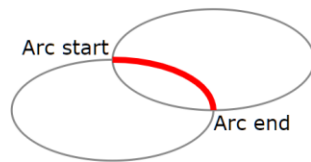
SVG path commands and parameters

`M x y` – moves the pen to x y position (no drawing)

`L x y` – draws a line, x y – end point

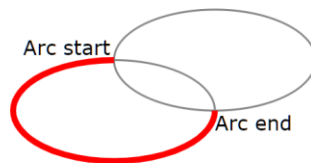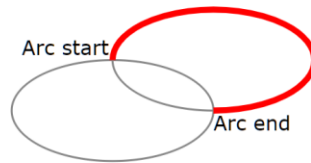`A rx ry x-axis-rotation large-arc-flag sweep-flag x y` - draws an arc (one of 4)

Arc start / Arc end

Arc start / Arc end
large-arc-flag=0
sweep-flag=0

Arc start / Arc end
large-arc-flag=0
sweep-flag=1

Arc start / Arc end
large-arc-flag=1
sweep-flag=0

Arc start / Arc end
large-arc-flag=1
sweep-flag=1

`rx` – axis x radius
`ry` – axis y radius
`x-axis-rotation` – ellipse rotation angle
`large-arc-flag` – small or large arc
`sweep-flag` – arc direction
`x, y` – end point

`Q x1 y1 x y` - draws a quadratic Bézier curve: x1 y1 – control point, x y – end point

`Z` - ends the path (when required draws a straight line to the initial point)

https://www.w3.org/TR/SVG11/paths.html