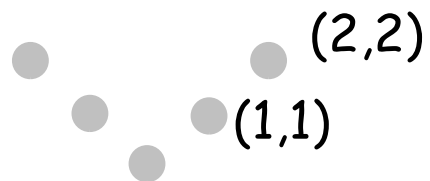
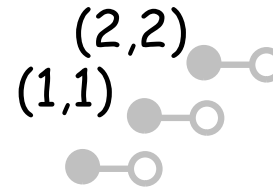


# State $a$ , $h$ , & $k$

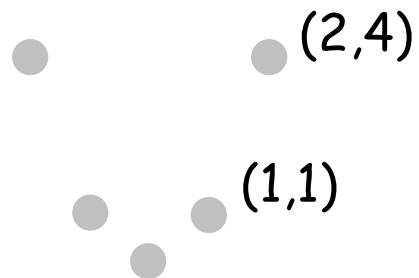
$$f(x) = a|x-h| + k$$



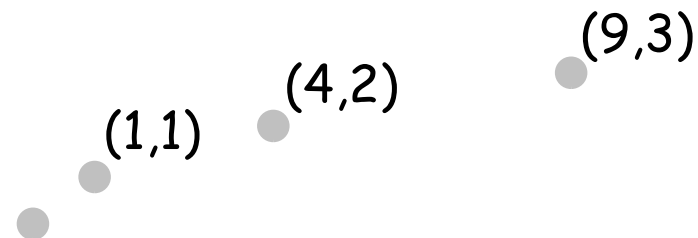
$$f(x) = a[x-h] + k$$



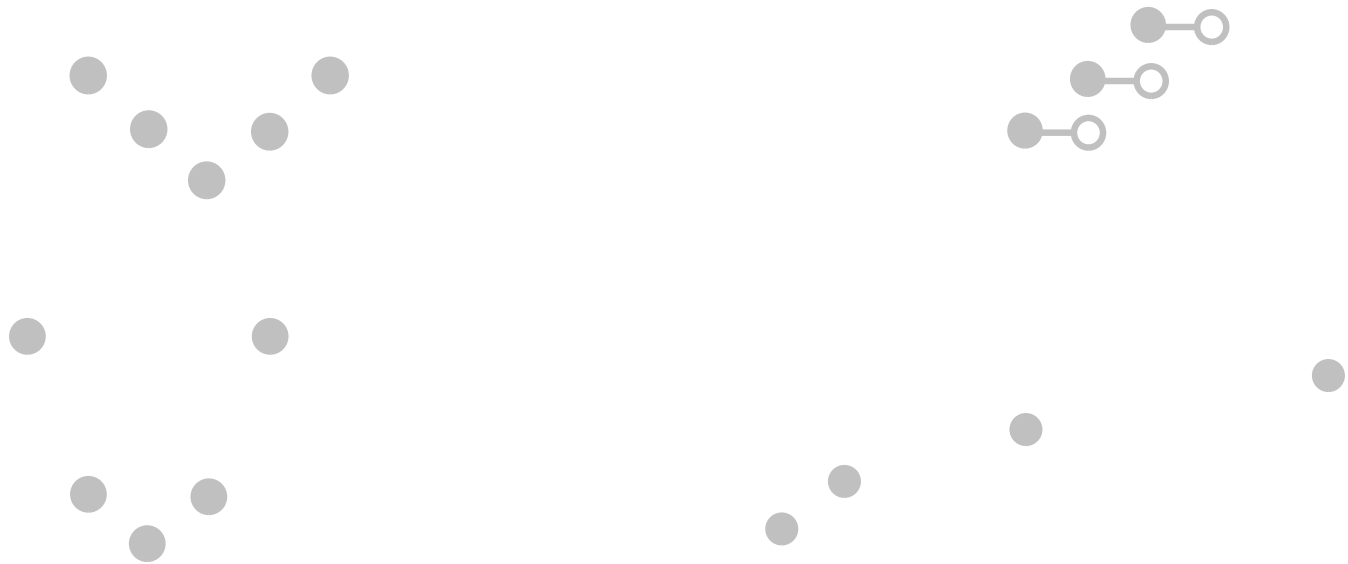
$$f(x) = a(x-h)^2 + k$$



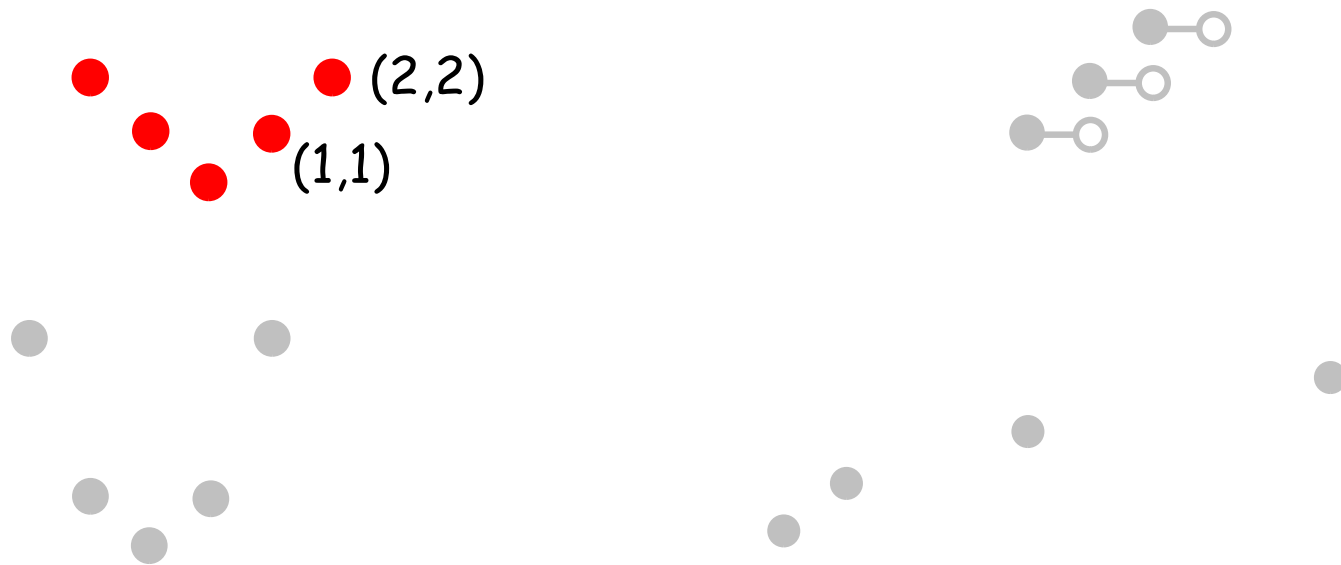
$$f(x) = a\sqrt{x-h} + k$$



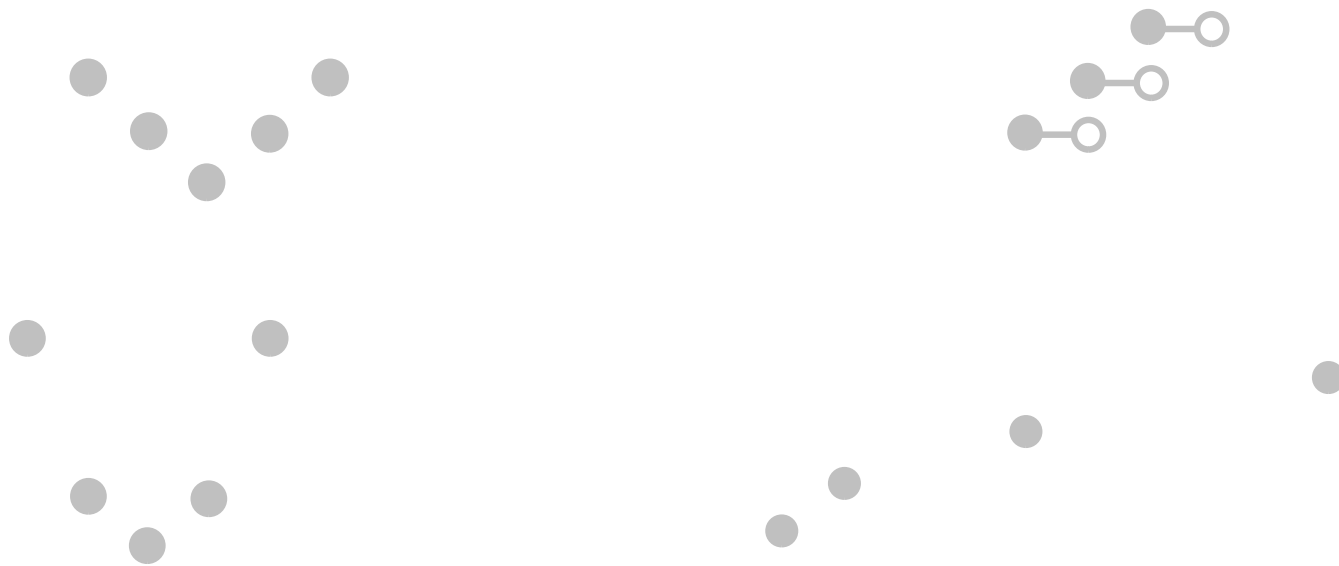
$$y = 2|x - 3| + 2$$



$$y = 2|x - 3| + 2$$



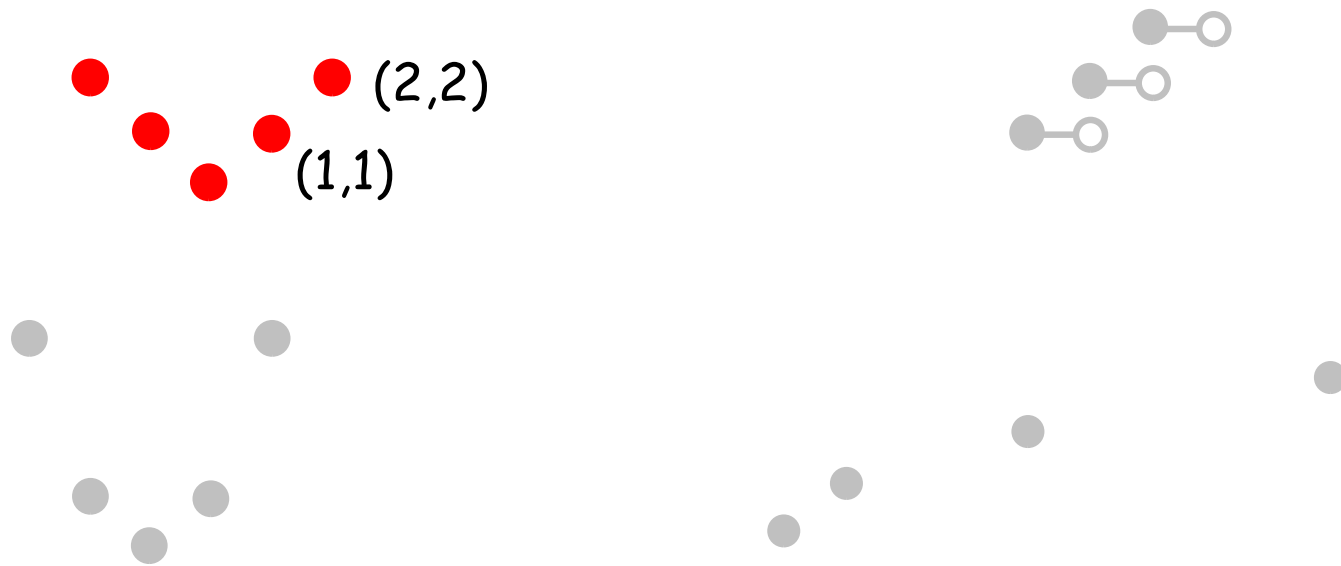
$$y = -|x + 2| - 1$$



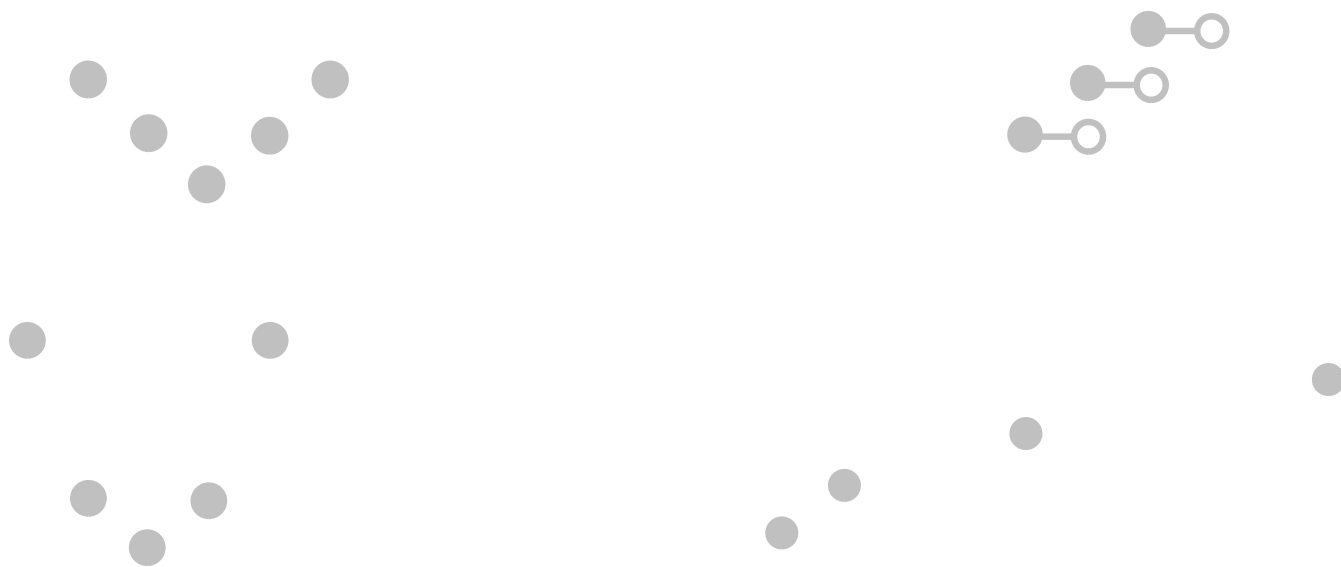
$$y = -|x+2| - 1$$

$$y = -1|x - -2| + -1$$

-1                  -2                  -1

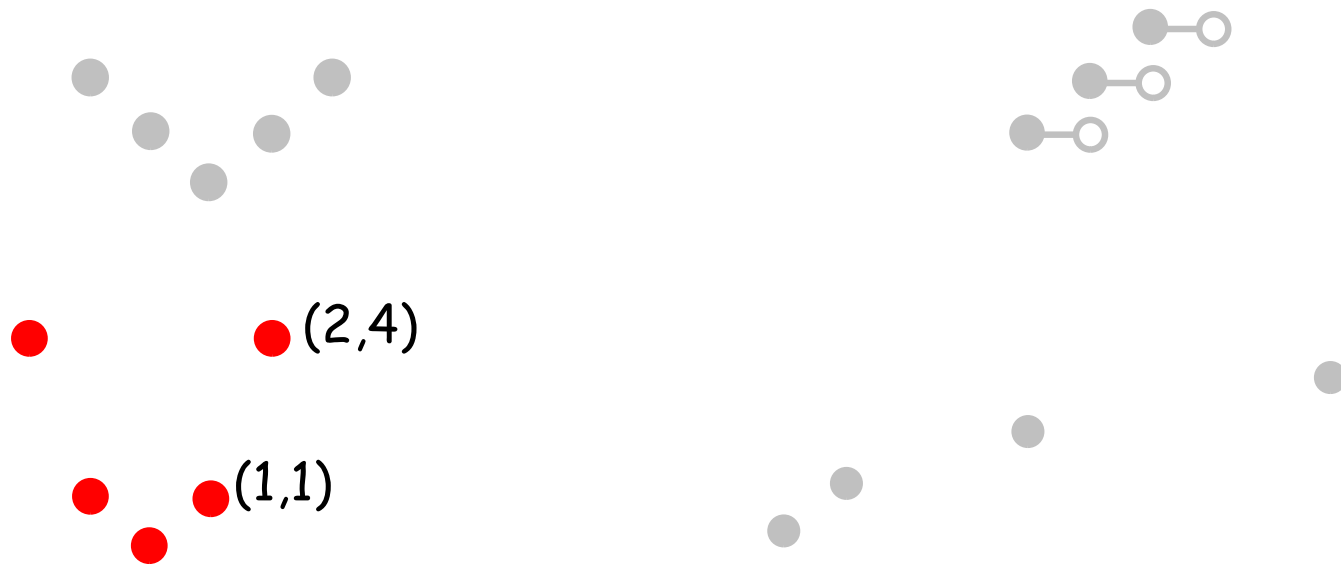


$$y = 3(x + 2)^2$$

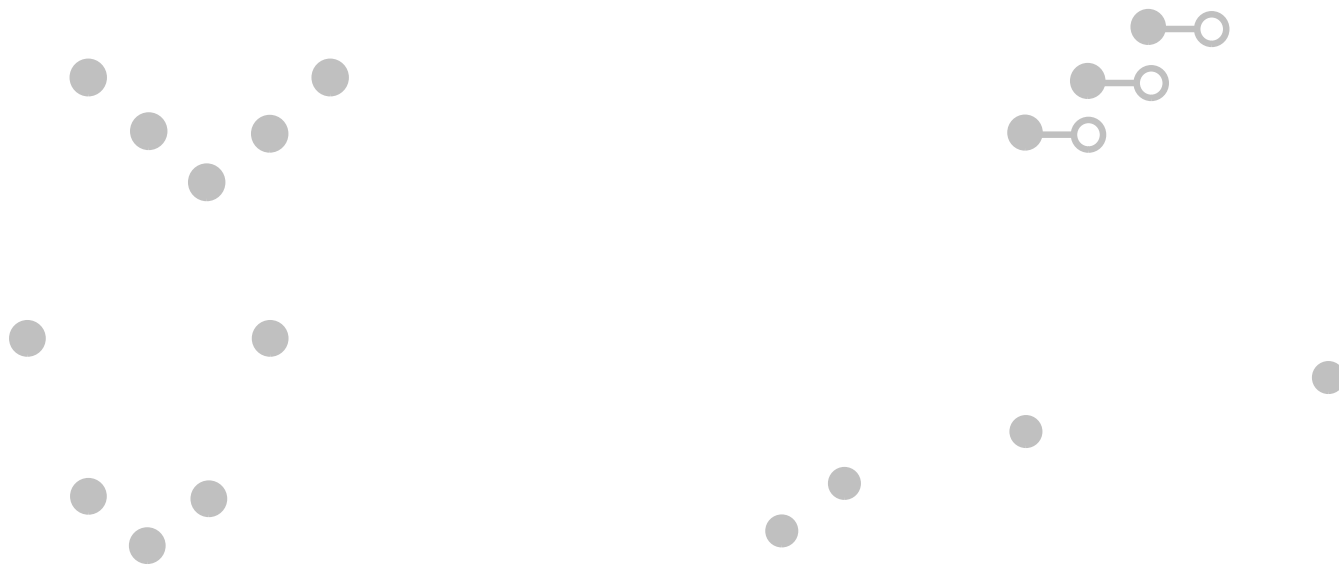


$$y = 3(x + 2)^2$$

$$y = \underset{3}{3}(x - \underset{-2}{-2})^2 + \underset{0}{0}$$

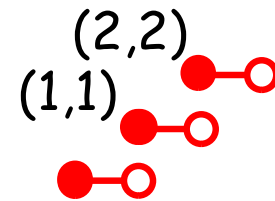


$$y = -[x] + 3$$

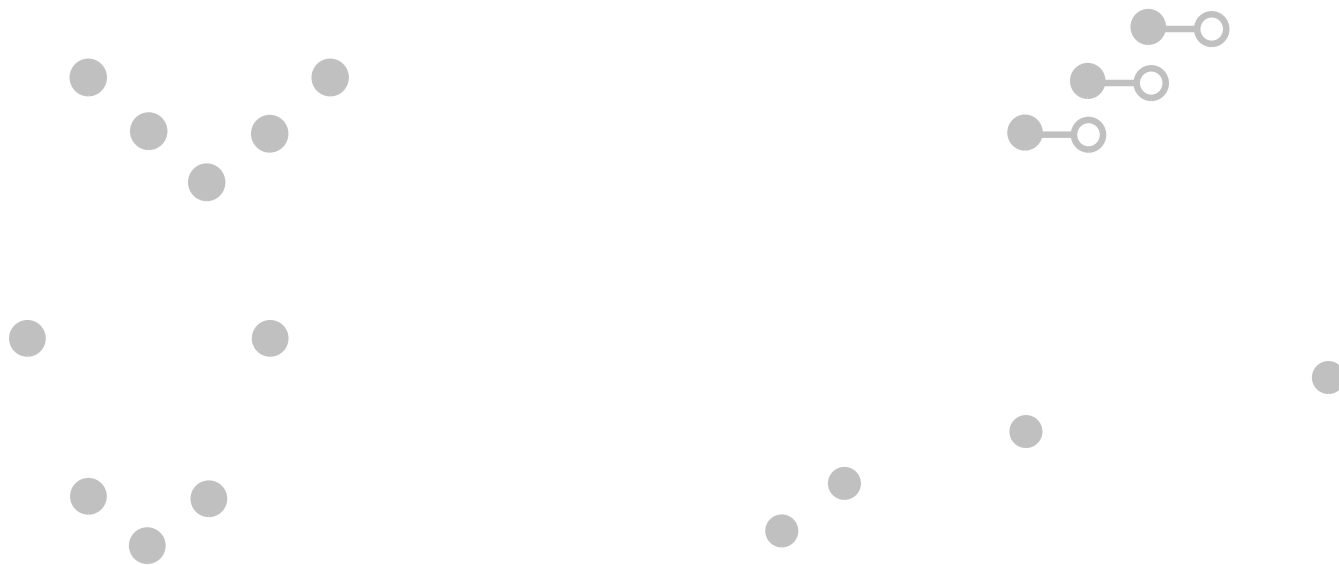


$$y = -[x] + 3$$

$$y = -1[x - 0] + 3$$

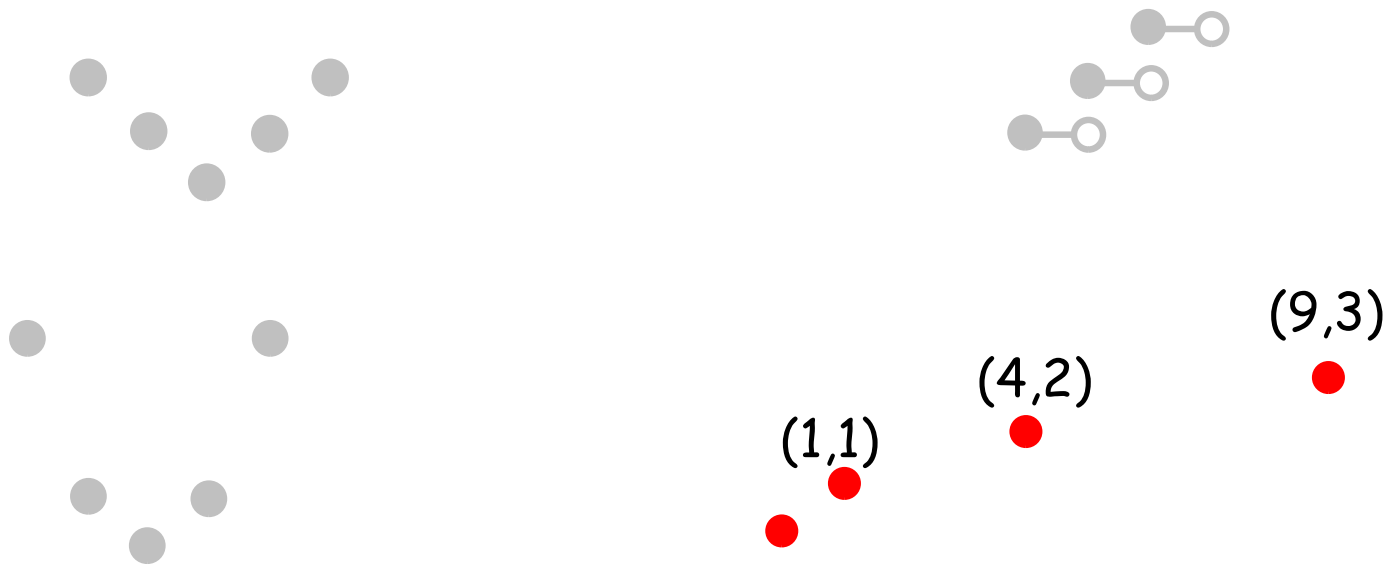


$$y = 2\sqrt{x-6} - 4$$

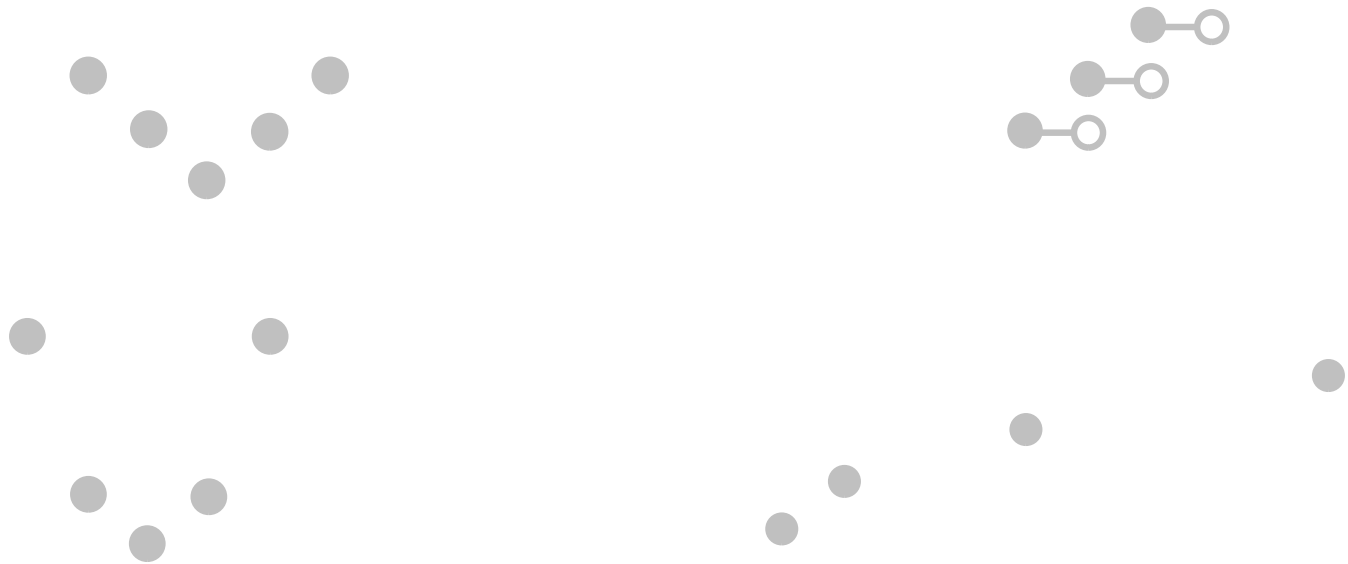


$$y = 2\sqrt{x-6} - 4$$

$$y = 2\sqrt{x-6} + 4$$

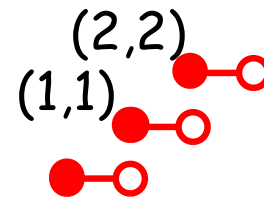


$$y=2[x+3]$$

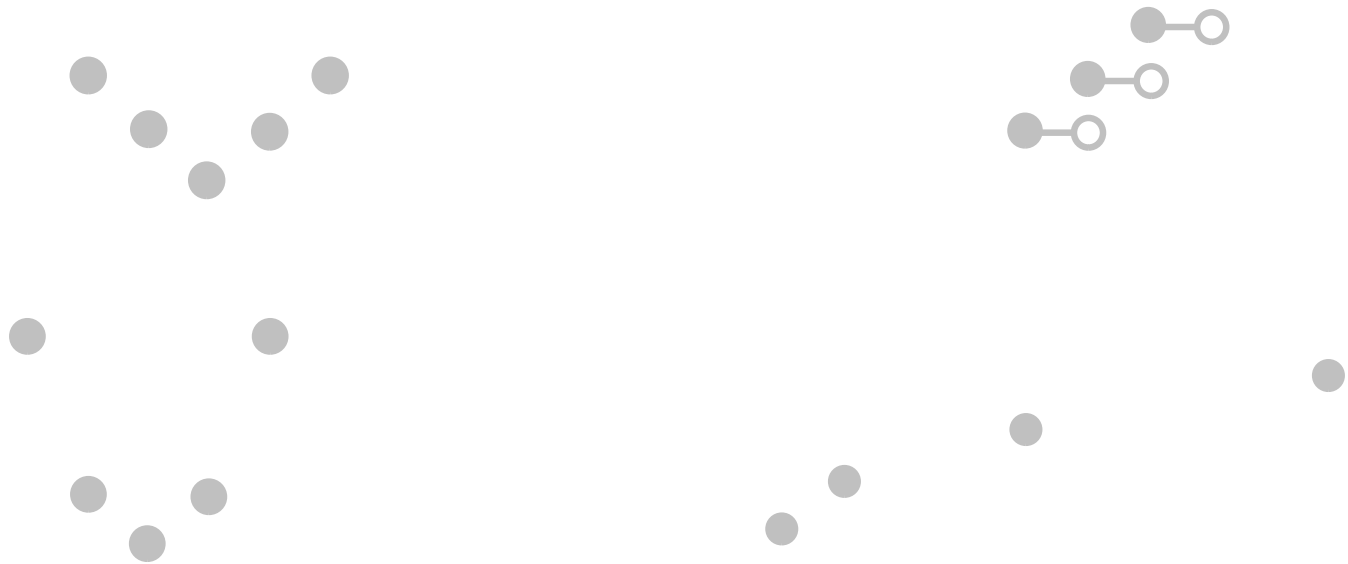


$$y = 2[x + 3]$$

$$y = \frac{2}{2}[x - -3] + \frac{0}{0}$$

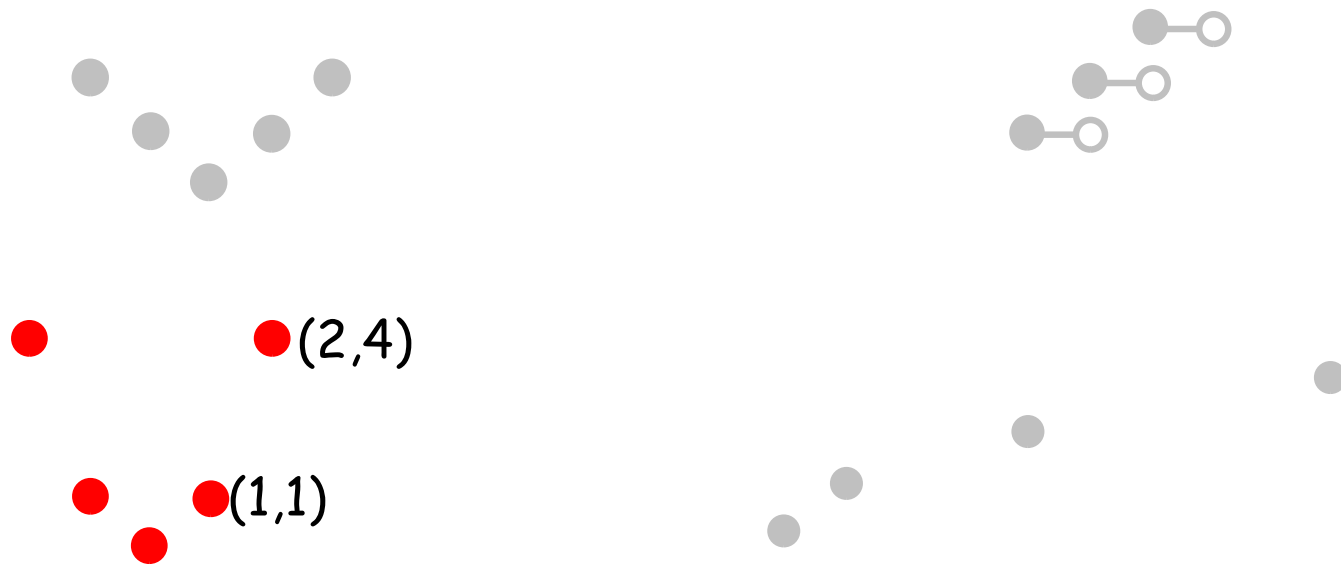


$$y = x^2 - 4$$

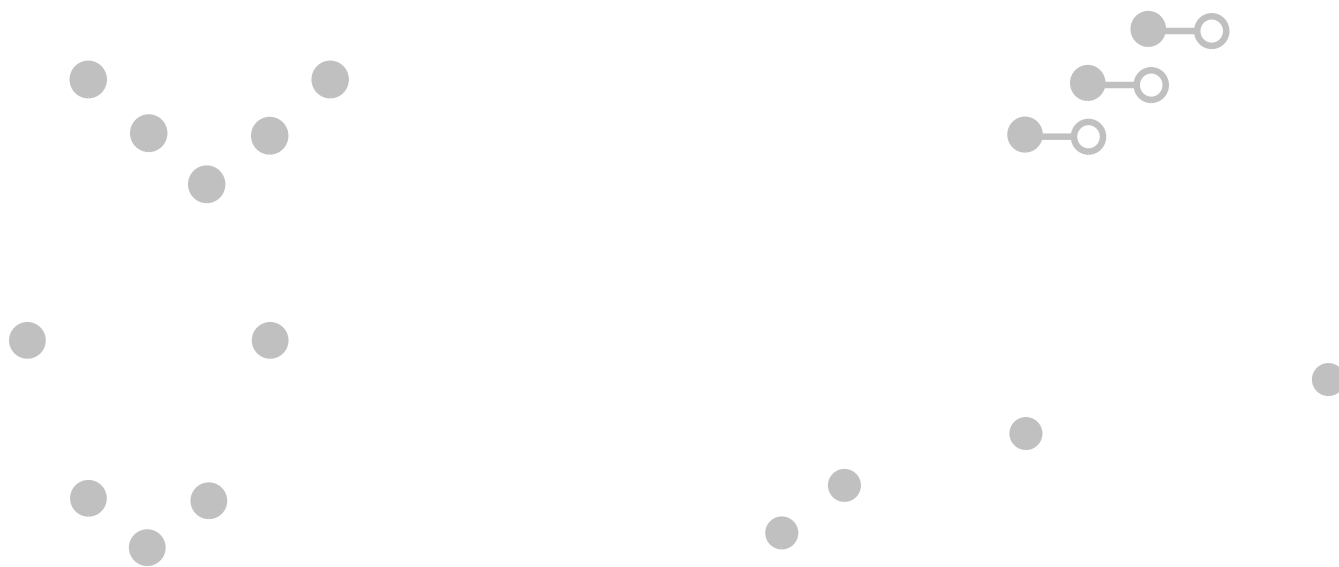


$$y = x^2 - 4$$

$$y = 1(x - 0)^2 + 4$$

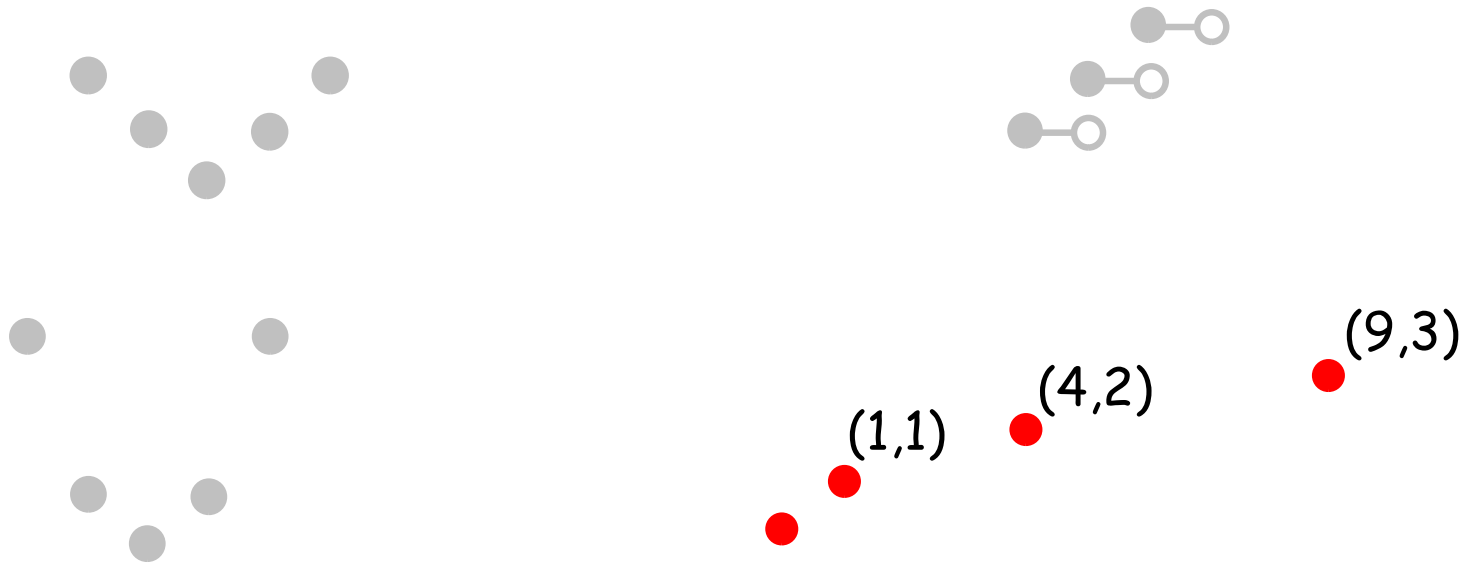


$$y = -3\sqrt{x} + 2$$

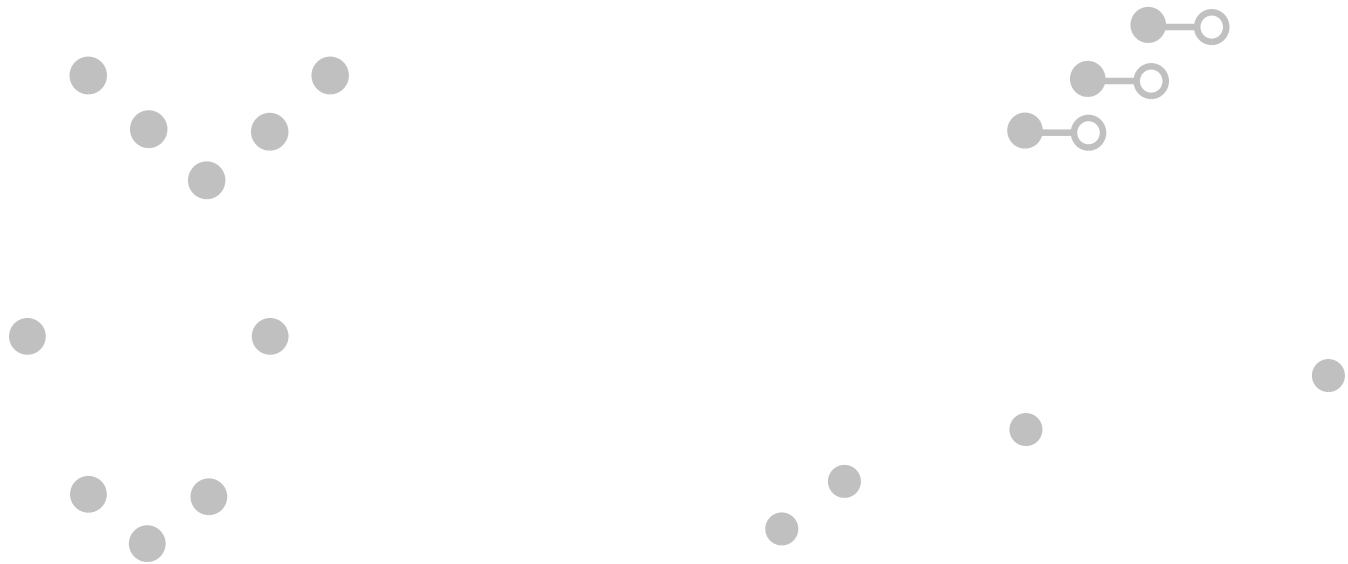


$$y = -3\sqrt{x+2}$$
$$y = -3\sqrt{x-0} + 2$$

-3                      0                      2

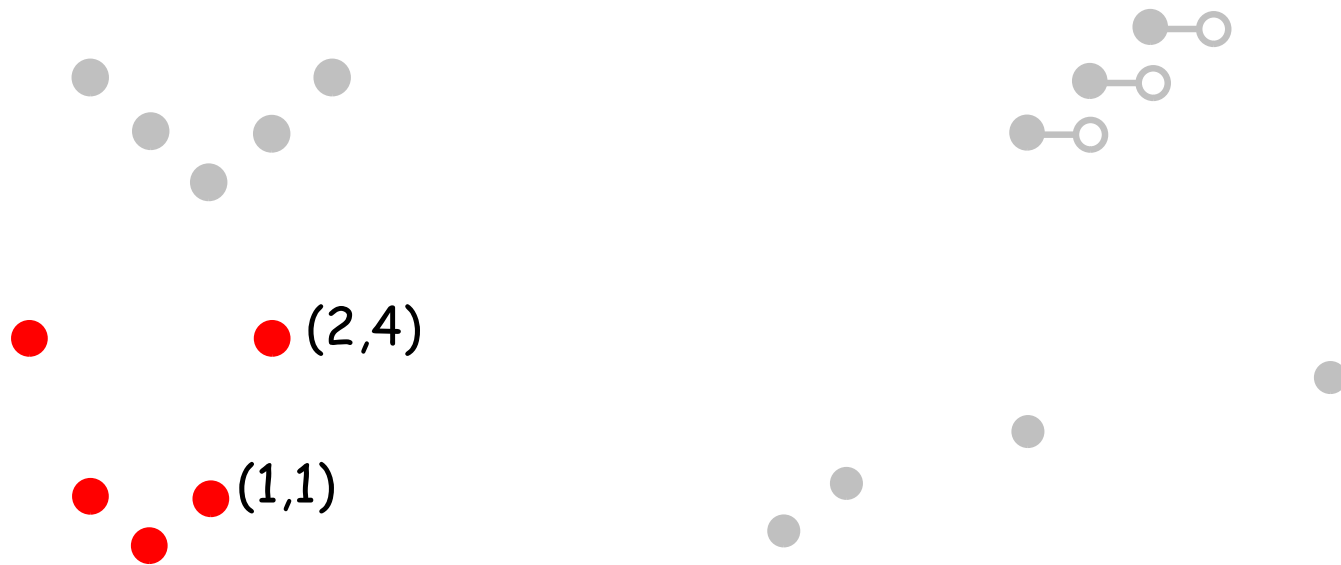


$$y = -x^2 + 1$$



$$y = -x^2 + 1$$

$$y = -1(x - 0)^2 + 1$$





$$y = |x| - 1$$

$$y = 1|x - 0| + -1$$

1            0            -1

