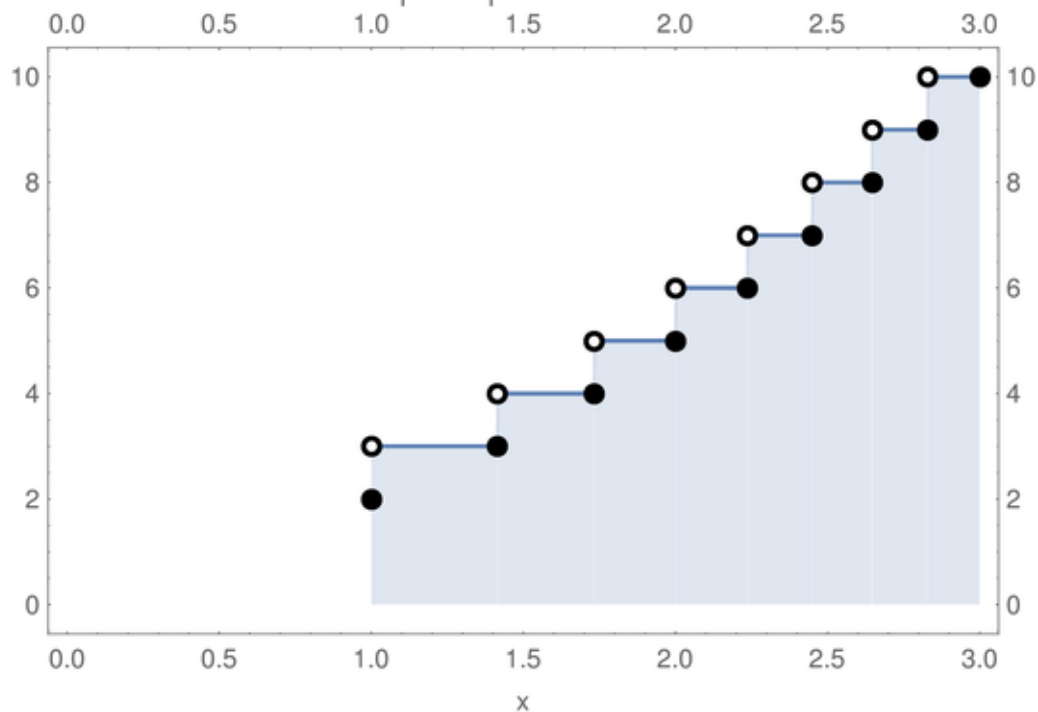


# Piecewise Composite Functions

$$\lceil x^2 + 1 \rceil, \quad 1 \leq x \leq 3$$



- 3  $x \leq \sqrt{2}$
- 4  $\sqrt{2} < x \leq \sqrt{3}$
- 5  $\sqrt{3} < x \leq 2$
- 6  $2 < x \leq \sqrt{5}$
- 7  $\sqrt{5} < x \leq \sqrt{6}$
- 8  $\sqrt{6} < x \leq \sqrt{7}$
- 9  $\sqrt{7} < x \leq 2\sqrt{2}$
- 10 True