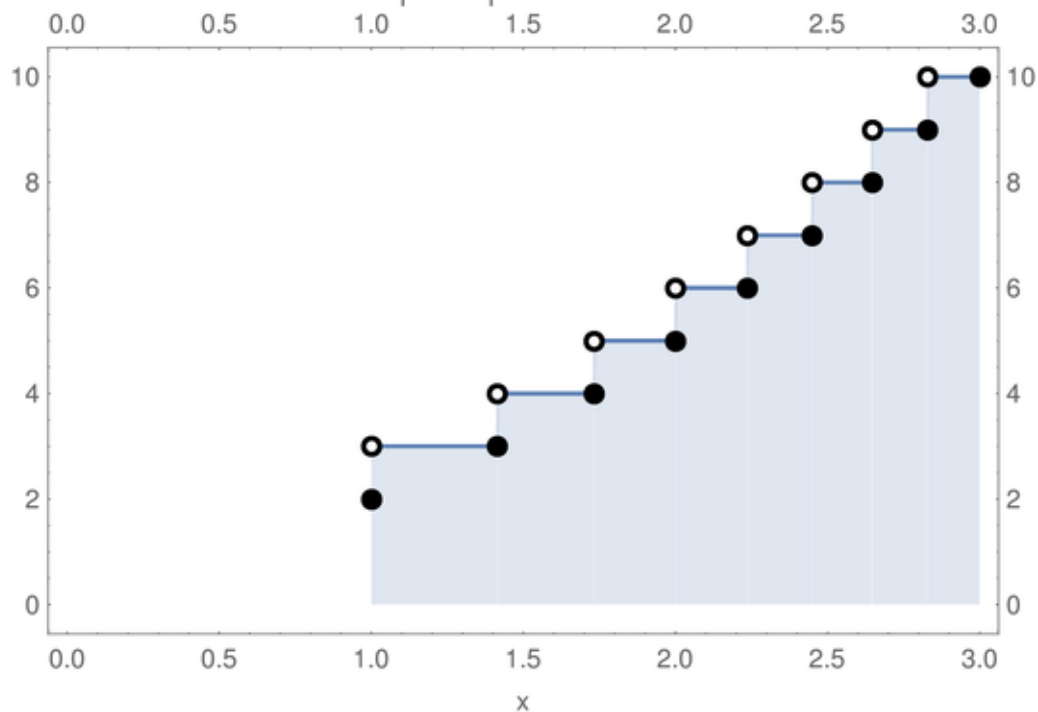


Piecewise Composite Functions

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



- 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