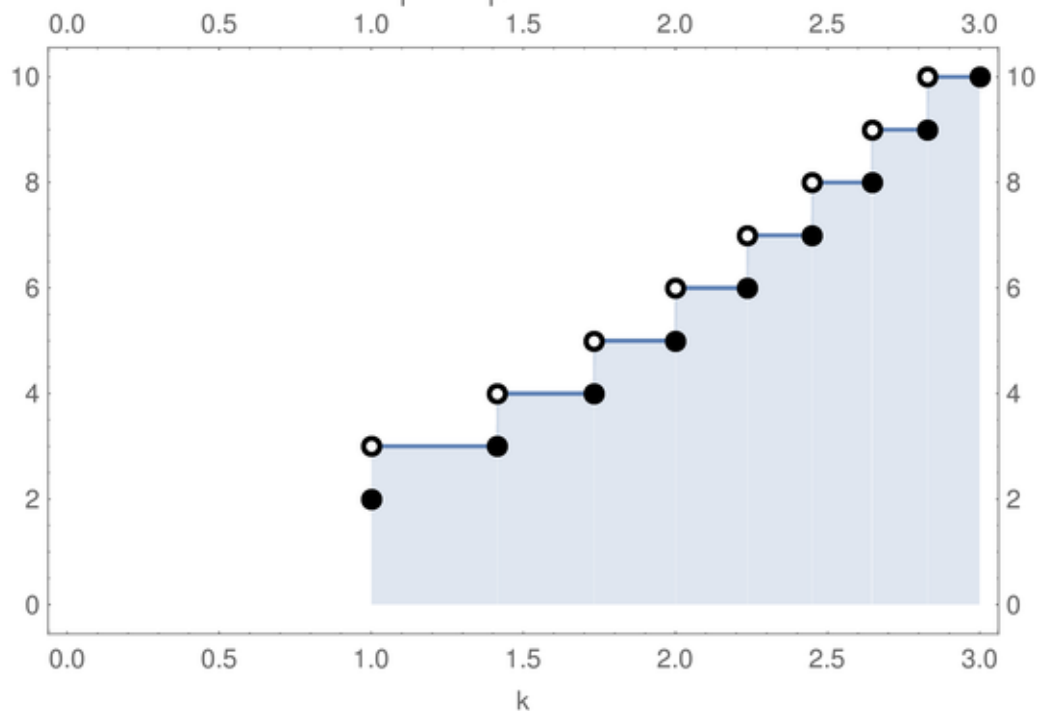


Piecewise Composite Functions

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



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