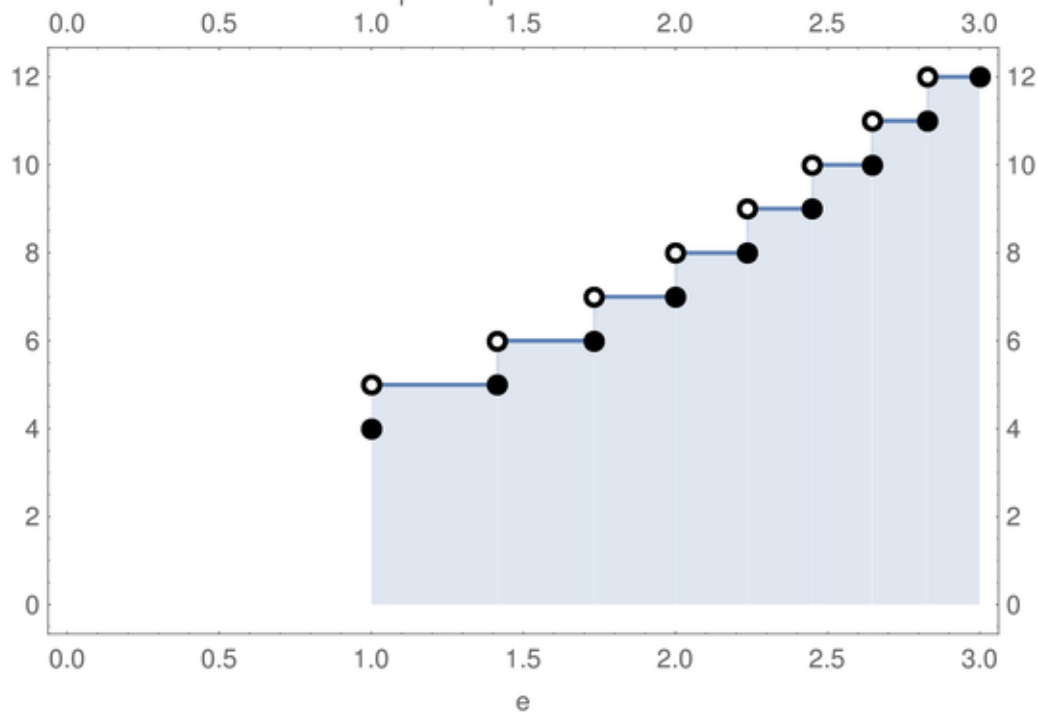


# Piecewise Composite Functions

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



- 5  $e \leq \sqrt{2}$
- 6  $\sqrt{2} < e \leq \sqrt{3}$
- 7  $\sqrt{3} < e \leq 2$
- 8  $2 < e \leq \sqrt{5}$
- 9  $\sqrt{5} < e \leq \sqrt{6}$
- 10  $\sqrt{6} < e \leq \sqrt{7}$
- 11  $\sqrt{7} < e \leq 2\sqrt{2}$
- 12 True