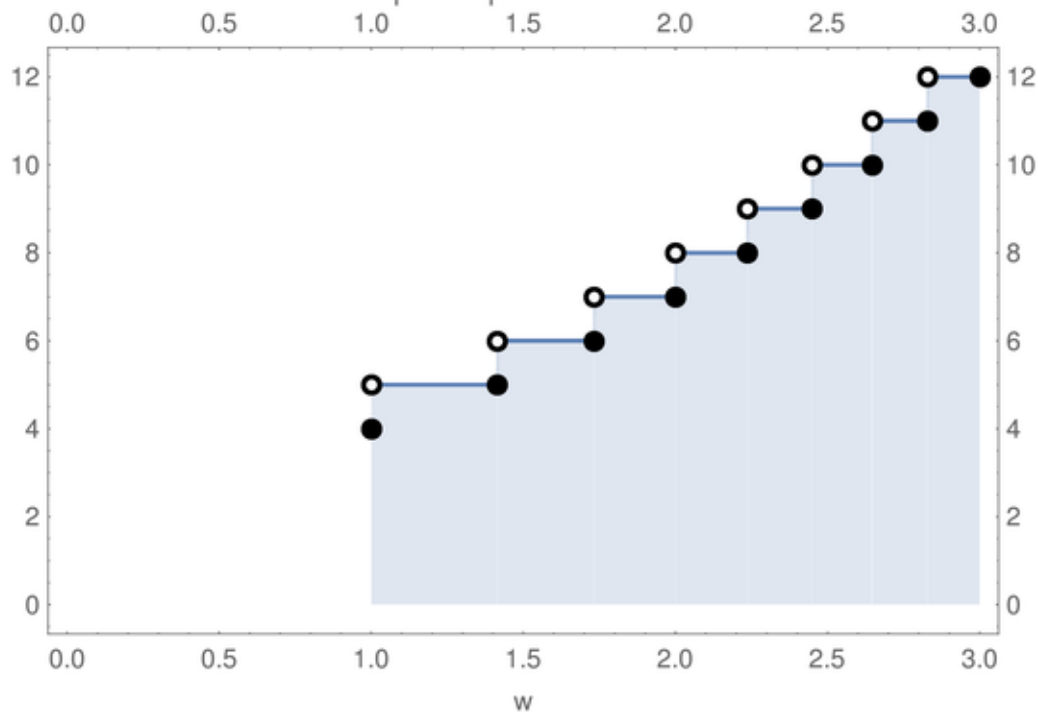


Piecewise Composite Functions

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



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