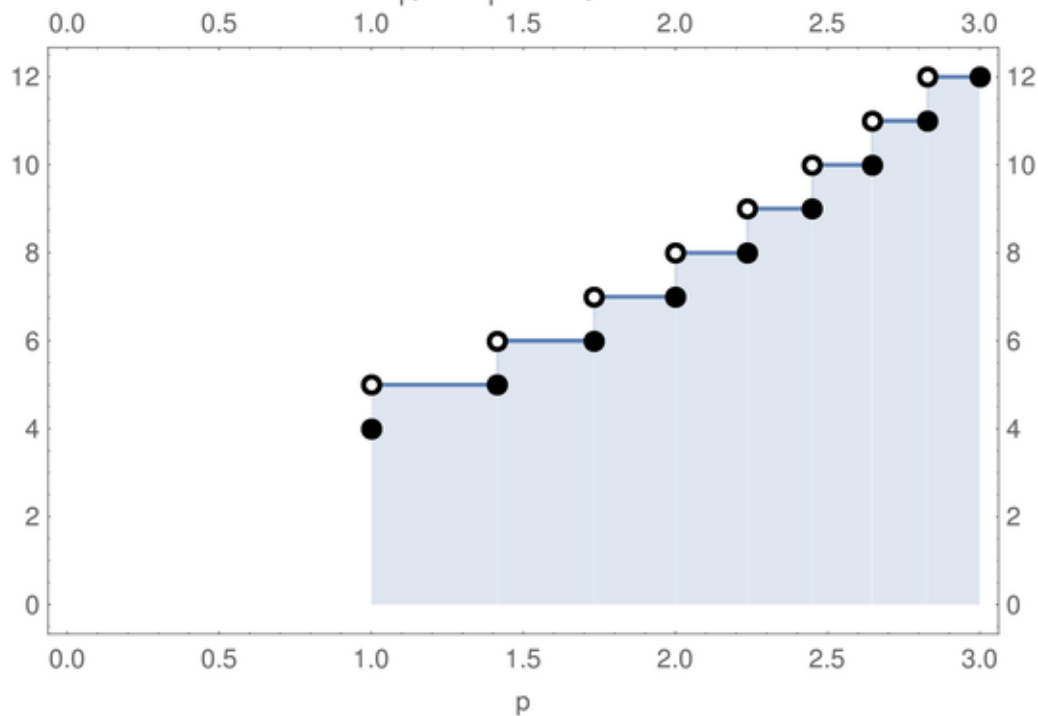


Piecewise Composite Functions

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



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