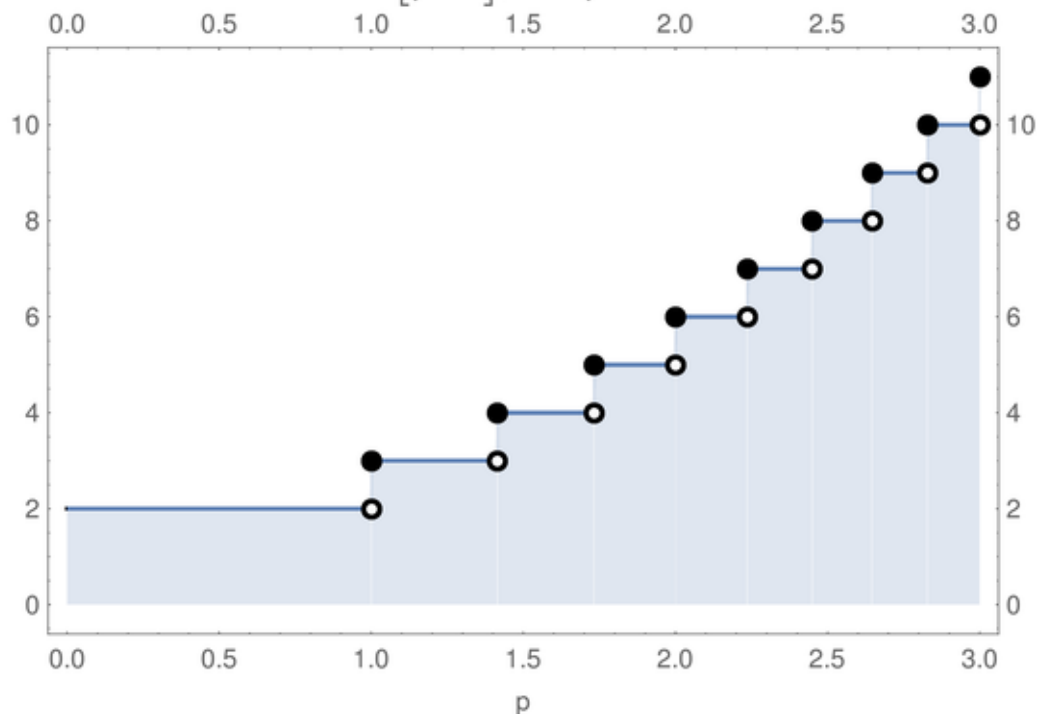


Piecewise Composite Functions

$$\lfloor p^2 + 2 \rfloor, \quad 0 \leq p \leq 3$$



2 $p < 1$

3 $1 \leq p < \sqrt{2}$

4 $\sqrt{2} \leq p < \sqrt{3}$

5 $\sqrt{3} \leq p < 2$

6 $2 \leq p < \sqrt{5}$

7 $\sqrt{5} \leq p < \sqrt{6}$

8 $\sqrt{6} \leq p < \sqrt{7}$

9 $\sqrt{7} \leq p < 2\sqrt{2}$

10 True