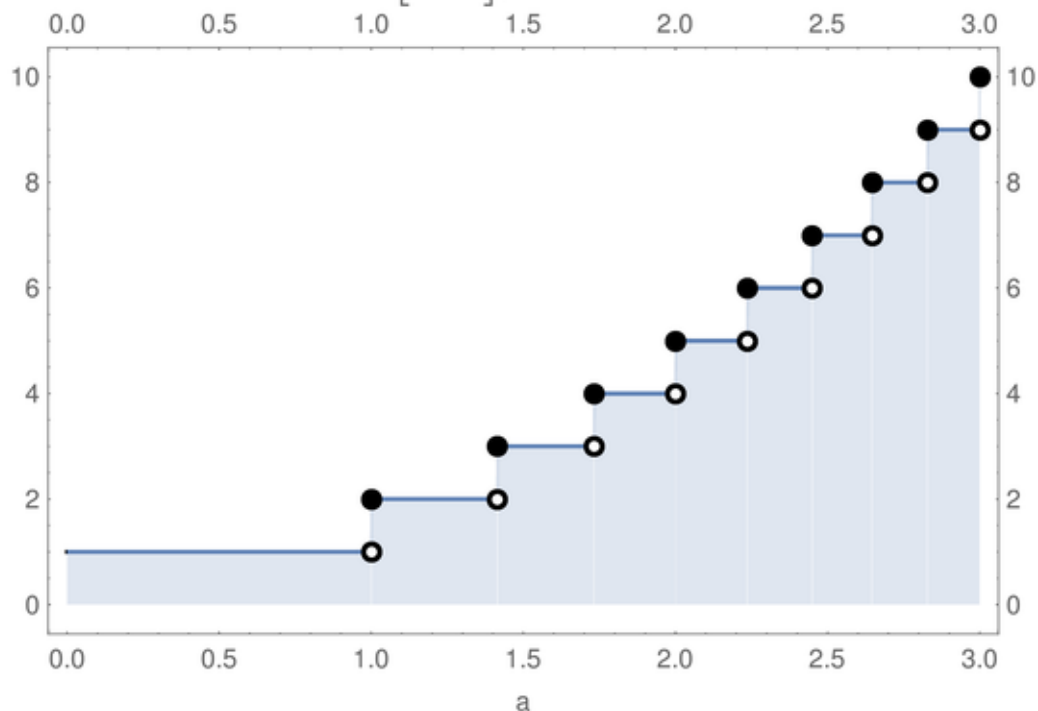


# Piecewise Composite Functions

$$\lfloor a^2 + 1 \rfloor, \quad 0 \leq a \leq 3$$



1  $a < 1$

2  $1 \leq a < \sqrt{2}$

3  $\sqrt{2} \leq a < \sqrt{3}$

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

5  $2 \leq a < \sqrt{5}$

6  $\sqrt{5} \leq a < \sqrt{6}$

7  $\sqrt{6} \leq a < \sqrt{7}$

8  $\sqrt{7} \leq a < 2\sqrt{2}$

9 True