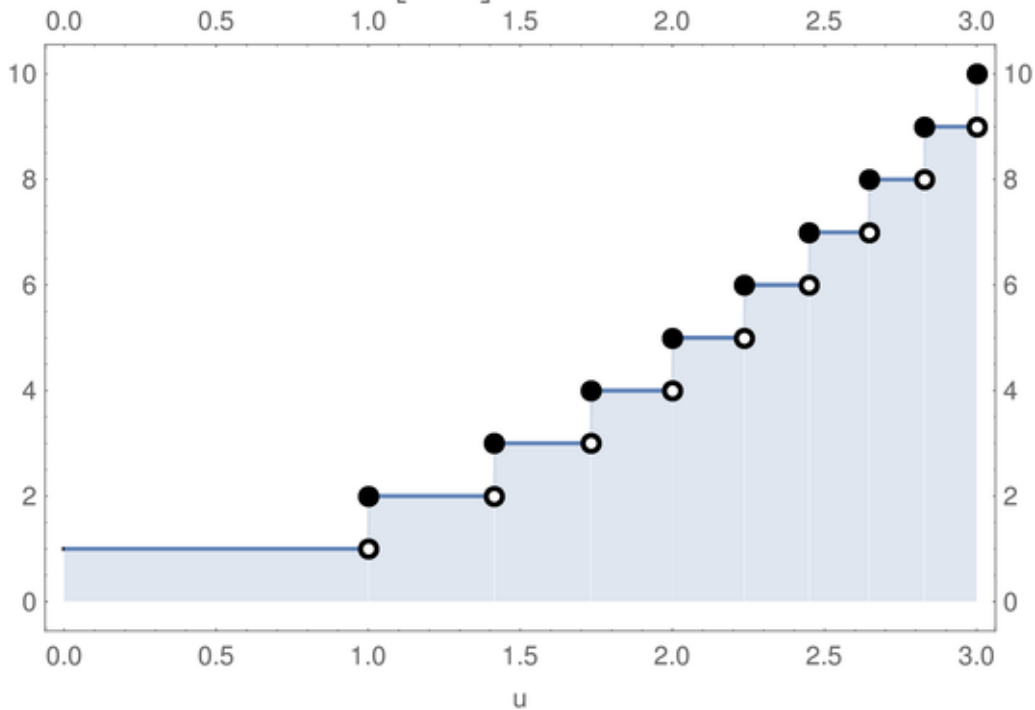


Piecewise Composite Functions

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



1 $u < 1$

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

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

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

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

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

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

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

9 True