Piecewise Composite Functions
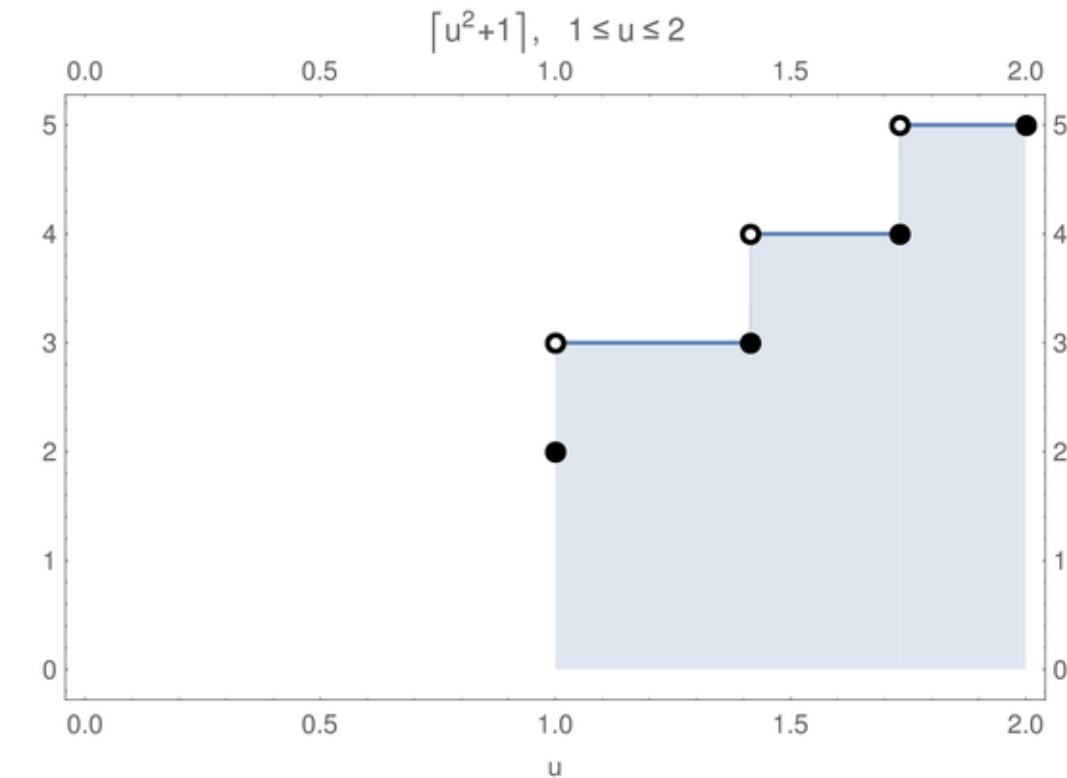

$$\left\lceil u^2 + 1 \right\rceil, \quad 1 \le u \le 2$$

$$\begin{cases} 3 & u \le \sqrt{2} \\ 4 & \sqrt{2} < u \le \sqrt{3} \\ 5 & \text{True} \end{cases}$$