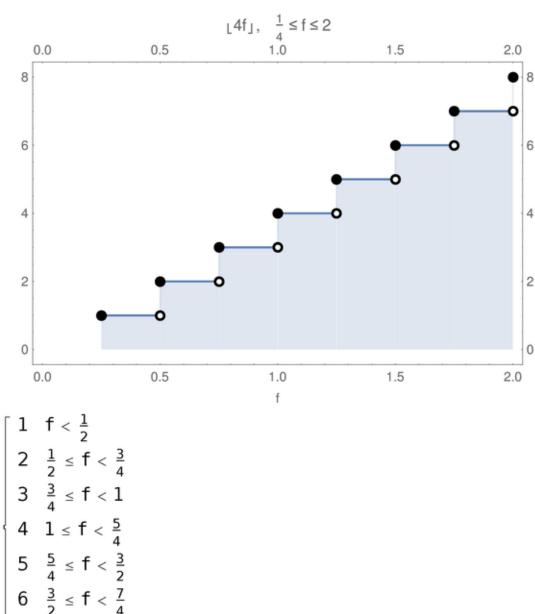# Piecewise Composite Functions

$$\lfloor 4f \rfloor, \quad \frac{1}{4} \le f \le 2$$

$$\begin{cases} 1 & f < \frac{1}{2} \\ 2 & \frac{1}{2} \le f < \frac{3}{4} \\ 3 & \frac{3}{4} \le f < 1 \\ 4 & 1 \le f < \frac{5}{4} \\ 5 & \frac{5}{4} \le f < \frac{3}{2} \\ 6 & \frac{3}{2} \le f < \frac{7}{4} \\ 7 & \text{True} \end{cases}$$