Piecewise Composite Functions
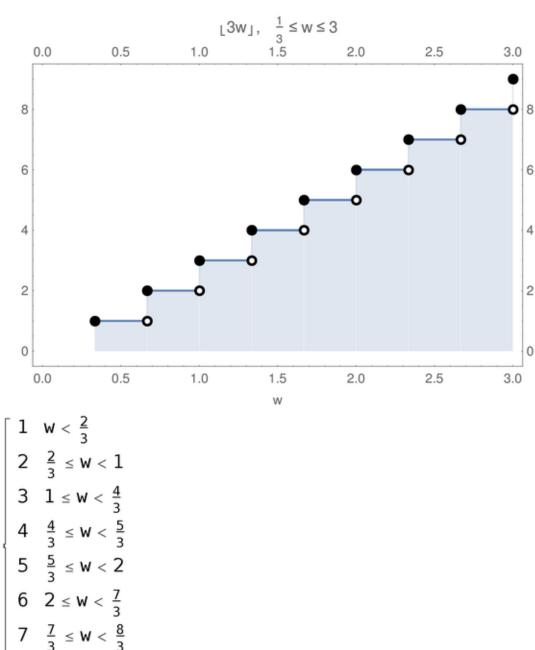

$\lfloor 3w \rfloor, \quad \frac{1}{3} \leq w \leq 3$

$$\begin{bmatrix} 1 & w < \frac{2}{3} \\ 2 & \frac{2}{3} \leq w < 1 \\ 3 & 1 \leq w < \frac{4}{3} \\ 4 & \frac{4}{3} \leq w < \frac{5}{3} \\ 5 & \frac{5}{3} \leq w < 2 \\ 6 & 2 \leq w < \frac{7}{3} \\ 7 & \frac{7}{3} \leq w < \frac{8}{3} \\ 8 & \text{True} \end{bmatrix}$$