



A graph of a function on the interval $[0, 5]$. The function is 0 for $x \in [0, 1)$ and 1 for $x \in [1, 5]$. The graph consists of a horizontal line segment at $y=0$ from $x=0$ to $x=1$, and a horizontal line segment at $y=1$ from $x=1$ to $x=5$. There is a jump discontinuity at $x=1$.