

2. From inspecting the graph

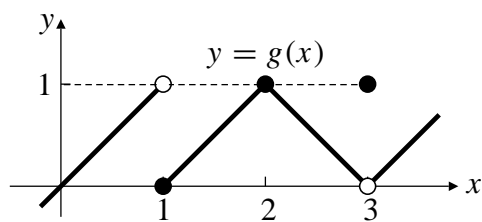


Fig. 2-2

we see that

$\lim_{x \rightarrow 1} g(x)$ does not exist

(left limit is 1, right limit is 0)

$$\lim_{x \rightarrow 2} g(x) = 1, \quad \lim_{x \rightarrow 3} g(x) = 0.$$