0.1 Limits of Sequences

Definition: A function with domain $\{n \in \mathbb{Z} : n \geq m\}$ where m is 1 or 0

Notation: $(s_n)_{n=m}^{\infty}$ or $(s_n)_n \in \mathbb{N}$ and sequence noted by parantheses while set is defined by curly brackets

Defintion: values need to close to limit for all large n

Definition 7.1: For each $\epsilon > 0$ there exists a number N s.t. n > N implies $|s_n - s| < \epsilon$