

Decreasing sequence

A sequence u_1, u_2, \dots is called *decreasing* if $u_n \geq u_{n+1}$ for all $n \geq 1$ (so $u_1 \geq u_2 \geq u_3 \geq \dots$).

It is called *strictly decreasing* if $u_n > u_{n+1}$ for all $n \geq 1$.

See also [increasing sequence](#).