

# 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](#).