Sequences

Use the definition to prove that the following sequence has a limit.

1. { } 🡪

1. { } 🡪

1. { } 🡪 0

1. { } 🡪 0

1. { } 𝑎𝑛𝑑 *r* > 0 🡪 *r*

(Hint: Consider two cases: r ≤ 1 and r > 1.)