Math 131
Warm-up 10

Name:

Suppose that $\{a_n\}$ and $\{b_n\}$ are sequences of reals with $a_n \to a$ and $b_n \to b$, and there exists $N \in \mathbf{N}$ such that if $n > N$ then $a_n \leq b_n$. Prove that $a \leq b$.