14] Basis Step $2(3)+1 < 2^3$, $n = 3, 4, \ldots$

$7 < 9$

Inductive step $2n+1 \leq 2^n$, $n = 3, 4, \ldots$ is true

show $2(n+1)+1 < 2^{n+1}$, $n = 3, 4 \ldots$

$= (2n+1) + 2$

$\leq 2^n + 2 \leq 2^n \cdot 2 = 2^{n+1}$