HW3, Problem 3

Gage Farmer CSE 2321

Inductive Hypothesis: N=n $\frac{1}{2} \frac{1(2n+1)(2n+1)}{(6n+1)^2} = \frac{1(2n+1)(2n+1)}{(6n+1)^2} = \frac{1(2n+1)(2n+1)}{(6n+1)^2}$ Inductive Hypothesis: N=n $\frac{2}{2} \frac{1}{2} \frac{1}{2}$

> 2n3+3n2+n+lon2+12n+lo > 2n3+9n2+Bn+lo

-> (n+1)(n+2)(2n+3)

They are not equal.