MATH 131 Homework 5Jesse Cai 304634445

1. Let
$$t_1 = 1$$
 and $t_{n+1} = [1 - \frac{1}{(n+1)^2}](t_n)$
Let $P(n) = t_n = \frac{n+1}{2n}$
Base Case: Consider $P(0)$.

Let
$$P(n) = t_n = \frac{n+1}{2n}$$