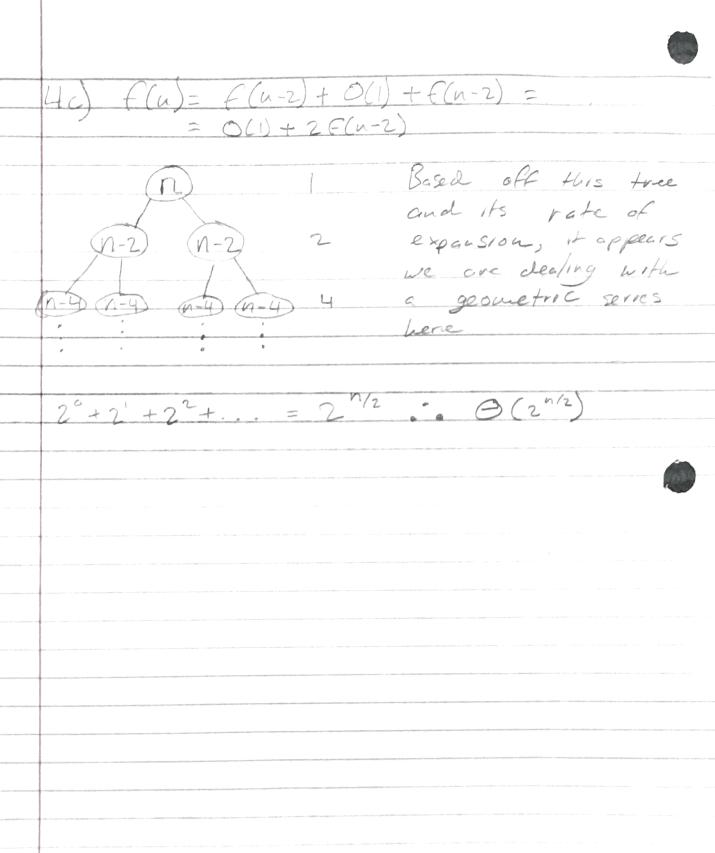
HW2 - Question 4



When looking at this code we must determine how often the Inner if code evaluates. This first occurs at 10, then at 15 (10.3) and so on.

This relation can be illustrated as the following progression:

 $10 \cdot \left(\frac{3}{2}\right)^{\circ} \quad 10\left(\frac{3}{2}\right)^{\prime} \quad 10\left(\frac{3}{2}\right)^{2} \cdot -$ 

This relation can be illustrated in the following manner:

10 Z 10 (2) which has a [O(n)]

Help from CP Xiaowen Zhu