## Exercise 2.3.2

## Kevin Martin CIS675 - Syracuse University

January 15, 2020

The recurrence for binary search is  $T(n)=T(\frac{n}{2})+O(1)$  Parameters:

a = 1

b = 2

d = 0

Case = 2

Solution =  $O(n^0 * \log n) = O(\log n)$