Analysis for recursive algorithm

- 1) Input size is =>n
- 2) Basic operation
 - i. comparison
 - 1. length == 1
 - 2. branch1.max > branch2.max
 - 3. branch1.max < branch2.max
 - ii. Assignment
 - 1. branch1 = birthdayCakeCandlesRecursive
 - iii. add/subtract
 - 1. branch1.count + branch2.count
 - 2. index + new_length_part1
 - iv.divide
 - 1. length / 2
- 3) Time complexity

$$T(n) = 2T(n/2) + \theta(1)$$

There are n^{log₂2}=n¹ leaves

$$f(n)=\theta(1)$$

Master metod case 1

Overall cost $\theta(n)$