CE100 Algorithms and Programming II

Solving Recurrences

Author: Asst. Prof. Dr. Uğur CORUH

## CE100 Algorithms and Programming II

## Week-2 (Solving Recurrences)

#### Spring Semester, 2021-2022

Download [DOC](ce100-week-2-recurrence.md_doc.pdf), [SLIDE](ce100-week-2-recurrence.md_slide.pdf), [PPTX](ce100-week-2-recurrence.md_slide.pptx)

## Solving Recurrences

## Outline

* Solving Recurrences
  + Recursion Tree
  + Master Method
  + Back-Substitution
* Divide-and-Conquer Analysis
  + Merge Sort
  + Binary Search
  + Merge Sort Analysis
  + Complexity
* Recurrence Solution

## References

TODO