## **Q1** Instructions

0 Points

To receive full credit on this quiz, you must score at least 50%.

The Github repo for Lecture 19 is at:
https://github.com/ucsd-cse12-sp21/ucsd-cse12-sp21.github.io/tree/master/lectures/lecture-19

## **Q2** BST

1 Point

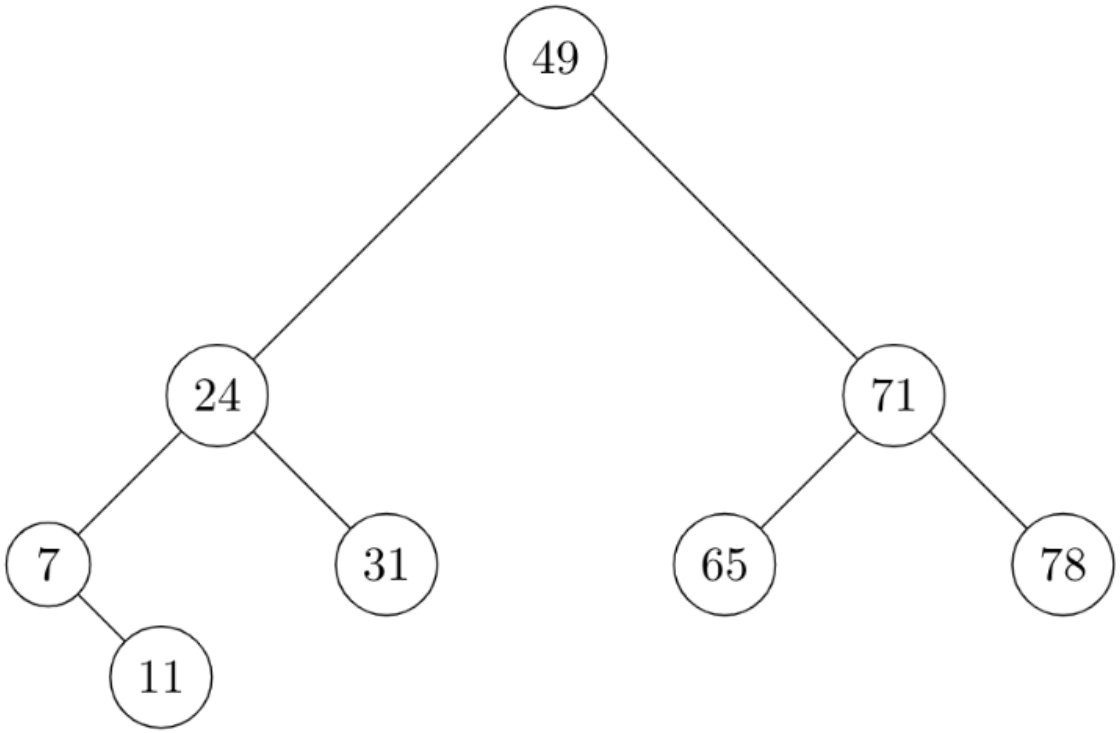
What are the best and worst case time complexities, respectively, of adding a new value to a BST, where n is the number of nodes in the tree?

- ○ Θ(1), Θ(log(n))
- ○ Θ(1), Θ(n)
- ◉ Θ(log(n)), Θ(n)
- ○ Θ(log(n)), Θ(log(n))
- ○ Θ(n), Θ(n)

# **Q3** BST Traversal

1 Point

What is the first node that will be visited in a post-order tree traversal of the BST below?




- 7
- 11
- 24
- 71
- 78