Quiz 7: Breadth First Tree Search: Space and Time Complexity

Quiz 7: Breadth First Tree Search: Space and Time Complexity

1/1 point (ungraded)
Select all of the following statements that are true about breadth-first tree search.
Remember that b is the branching factor and s is the depth of the shallowest solution.

- ☐ At any given time during the search, the number of nodes on the fringe can be no larger than bs.

- ☑ At any given time during the search, the number of nodes on the fringe can be as large as b^s.

- ☐ The number of nodes considered throughout the entire search can be no larger than bs.

- ☑ The number of nodes considered throughout the entire search can be as large as b^s.

✔

Submit

✔ Correct (1/1 point)