edX
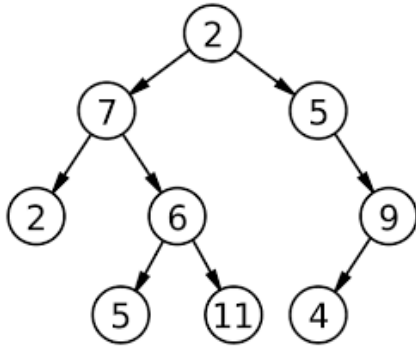
Course > Final Exam > Final Exam > Section 3: Priority Q...

Section 3: Priority Queues (2 questions)
Question 1

1/1 point (graded)

How many edges of this binary tree violate the min-heap property?

| 4 | ✔ |

4

| Submit | You have used 1 of 1 attempt |

Question 2

0/1 point (graded)

What is the worst-case time to run $ExtractMax()$ in a d-ary max-heap with n elements in it?

- ◉ $\log_2 n$ ✘
- ○ $d \log_d n$ ✔
- ○ $\log_2 (nd)$
- ○ $n \log_n d$

Submit   You have used 1 of 1 attempt

ⓘ   Answers are displayed within the problem

Submit   You have used 1 of 1 attempt