



Given this ambiguous heap, answer the following:

1. If $c > z$ and $c < u$, then which of the following may be true? (Select all that apply)
 - a. The heap is a min-heap
 - b. The heap is a max-heap
 - c. Not enough information
2. If $c > z$ and $c > d$, then which of the following may be true? (Select all that apply)
 - a. The heap is a min-heap
 - b. The heap is a max-heap
 - c. Not enough information
3. If this heap is a min-heap, then which of the following may be true? (Select all that apply)
 - a. $a > u$
 - b. $a < u$
 - c. $a = u$
4. If this heap is a max-heap, then which of the following may be true? (Select all that apply)
 - a. $n > k$
 - b. $n < k$
 - c. $n = k$

Answers:

1-b

2-c

3- b and c

4-a, b and c