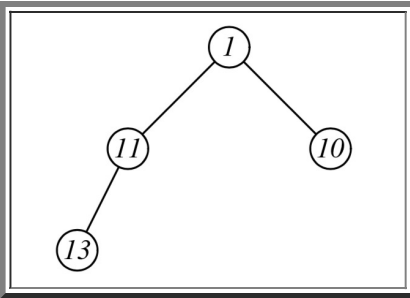


Clicker Questions

Question 1:

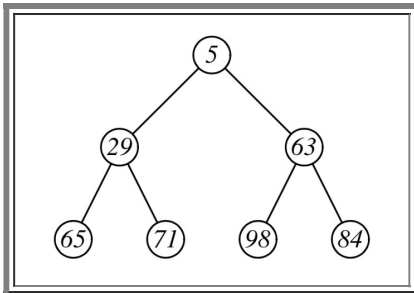
Is the tree to the right a binary heap? Please answer "Yes" or "No".



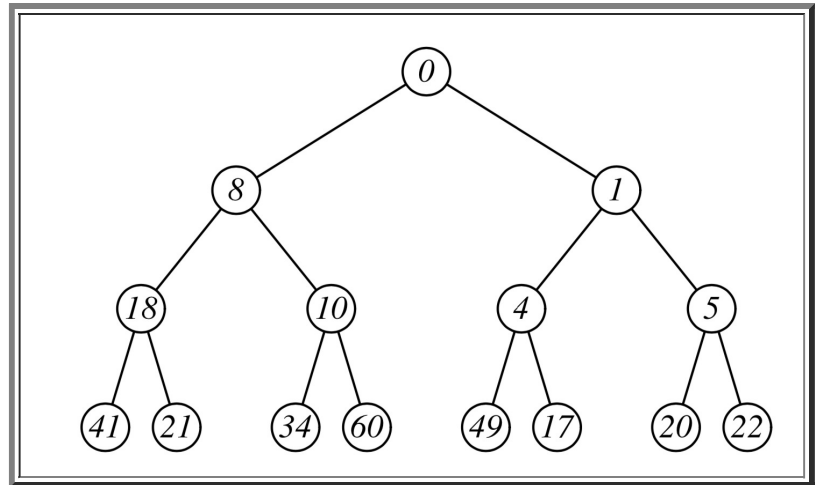
Question 2: When the following binary heap is stored in a vector, what is the index of the number 65?

Question 3: When the following binary heap is stored in a vector, what is the index of the number 84?

Question 4: If the value 33 is pushed onto the heap, in what index of the vector will it be stored?



Question 5: In the following heap, we call **Pop()**. What will be the index of the value 22 in the vector version of the heap, when **Pop()** is done?



Answers

If any of these are unclear, please go over the lecture notes for heaps.

- **Question 1:** Yes.
- **Question 2:** 3.
- **Question 3:** 6.
- **Question 4:** 3.
- **Question 5:** 12.