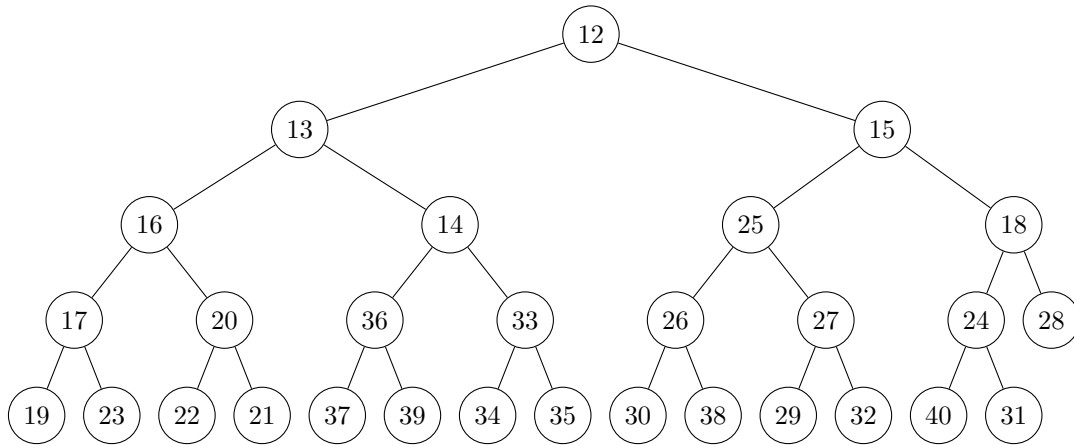


Problem 3 (5pts)

Consider the following binary heap:



- (1) Is this heap a max-heap or a min-heap?

- (2) Suppose that you pop the key from the heap above. Write down all the elements that are involved in one (or more) compares.

- (3) Suppose that the figure above was the last operation performed in the binary heap when inserting the key x . Write down all possible value of x .