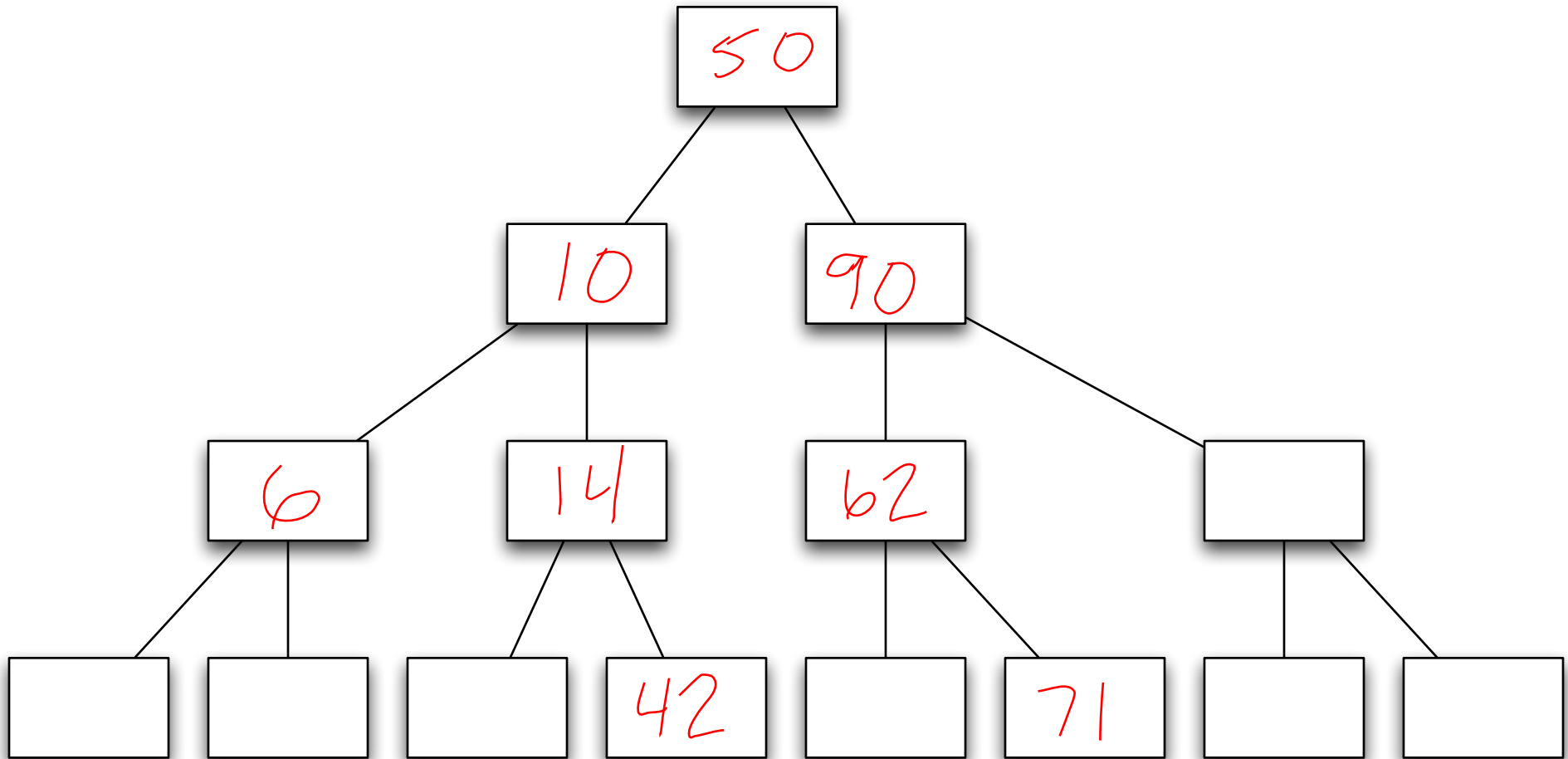


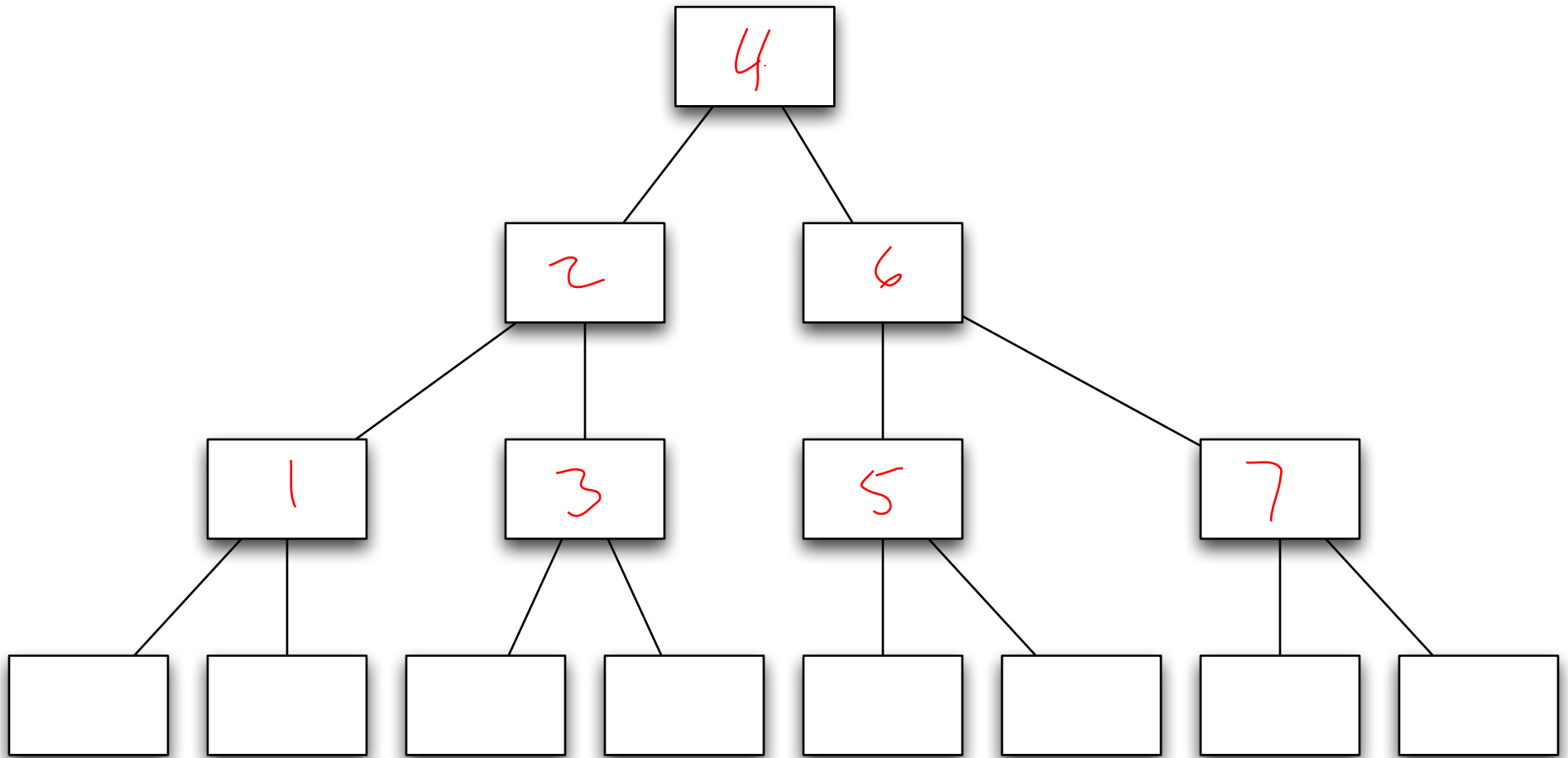
Name: Stephen Townsend

Question#: 1



Show the binary search tree built by adding numbers in this specific order, assuming the graph is empty to start with: 50, 10, 90, 14, 62, 71, 42, 6.

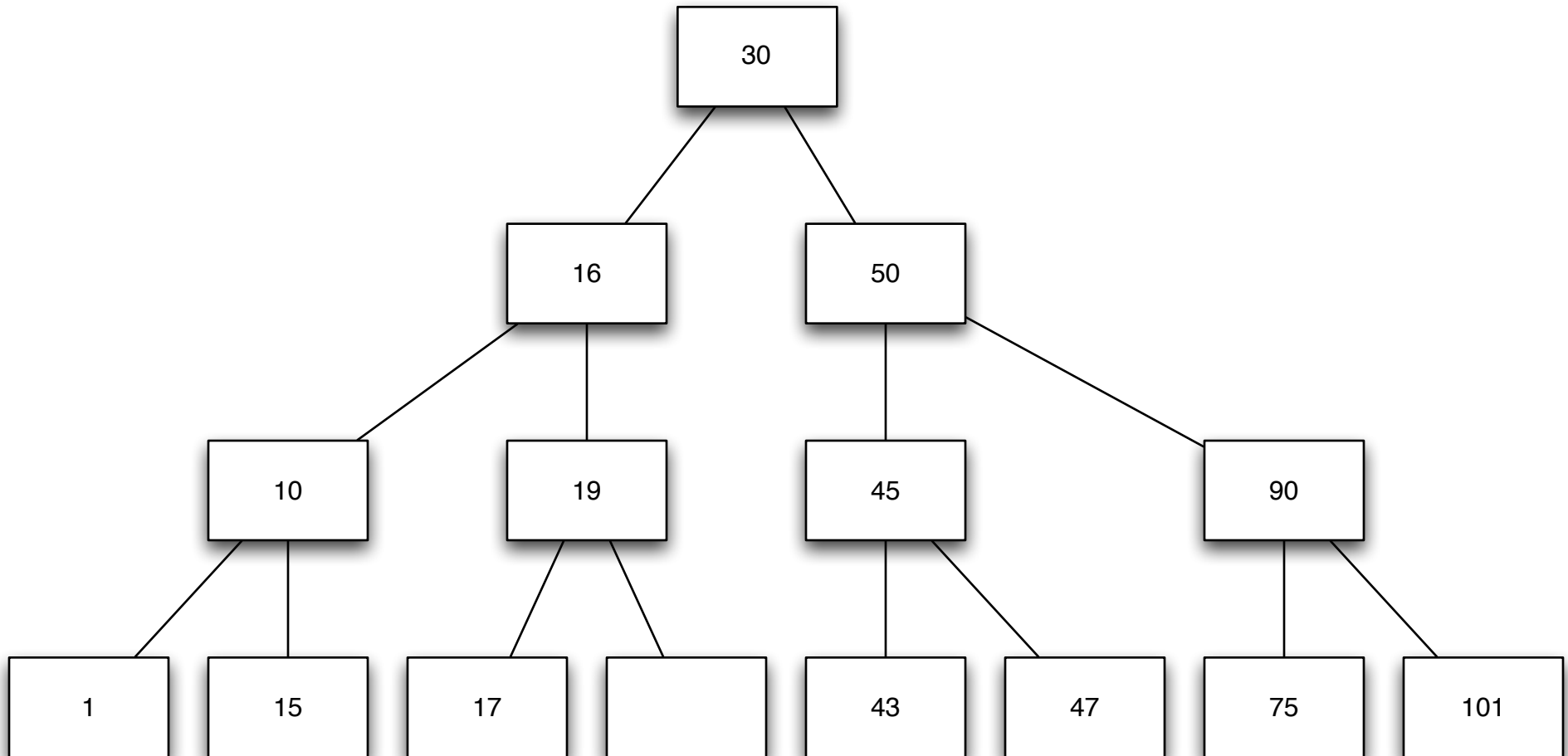
Name: Stephen Townsend Question#: 2



Insert the even digits first in the order of: 4, 2, 6, then any order of (1, 3, 5, 7)

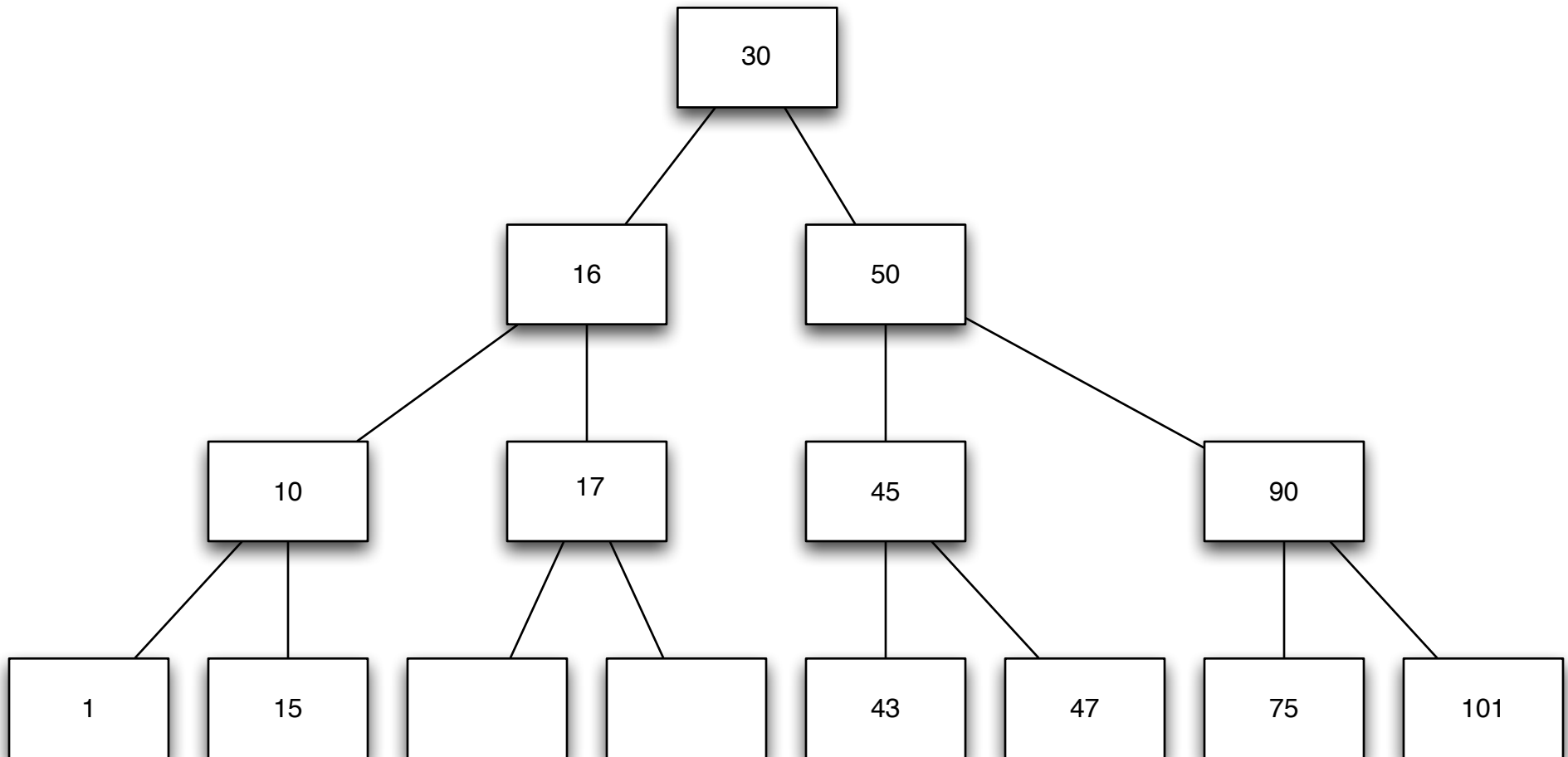
Question 3 Part A

Given the following tree, question3.pdf, show the tree after removing the value 42.



Question 3 Part B

Using the tree produced by Part A, show the tree after removing the value 19.



Question 4

Show the decision tree that the computer should build after adding a Zergling and a question to differentiate it, "Does it eat space marines?", to the tree.

