样例1：

输入：

9

25 16 30 -5 20 28 20 42 35

输出：

前序遍历: 25 16 -5 # # 20 20 # # # 30 28 # # 42 35 # # #

== 树的详细信息:

25 is root

16 is 25's left child

-5 is 16's left child

20 is 16's right child

20 is 20's left child

30 is 25's right child

28 is 30's left child

42 is 30's right child

35 is 42's left child

样例2：

输入：

16

3 2 1 4 5 6 7 16 15 14 13 12 11 10 8 9

输出：

前序遍历: 7421##3##65###13 11 9 8 # # 10 # # 12 # # 15 14 # # 16 # #

