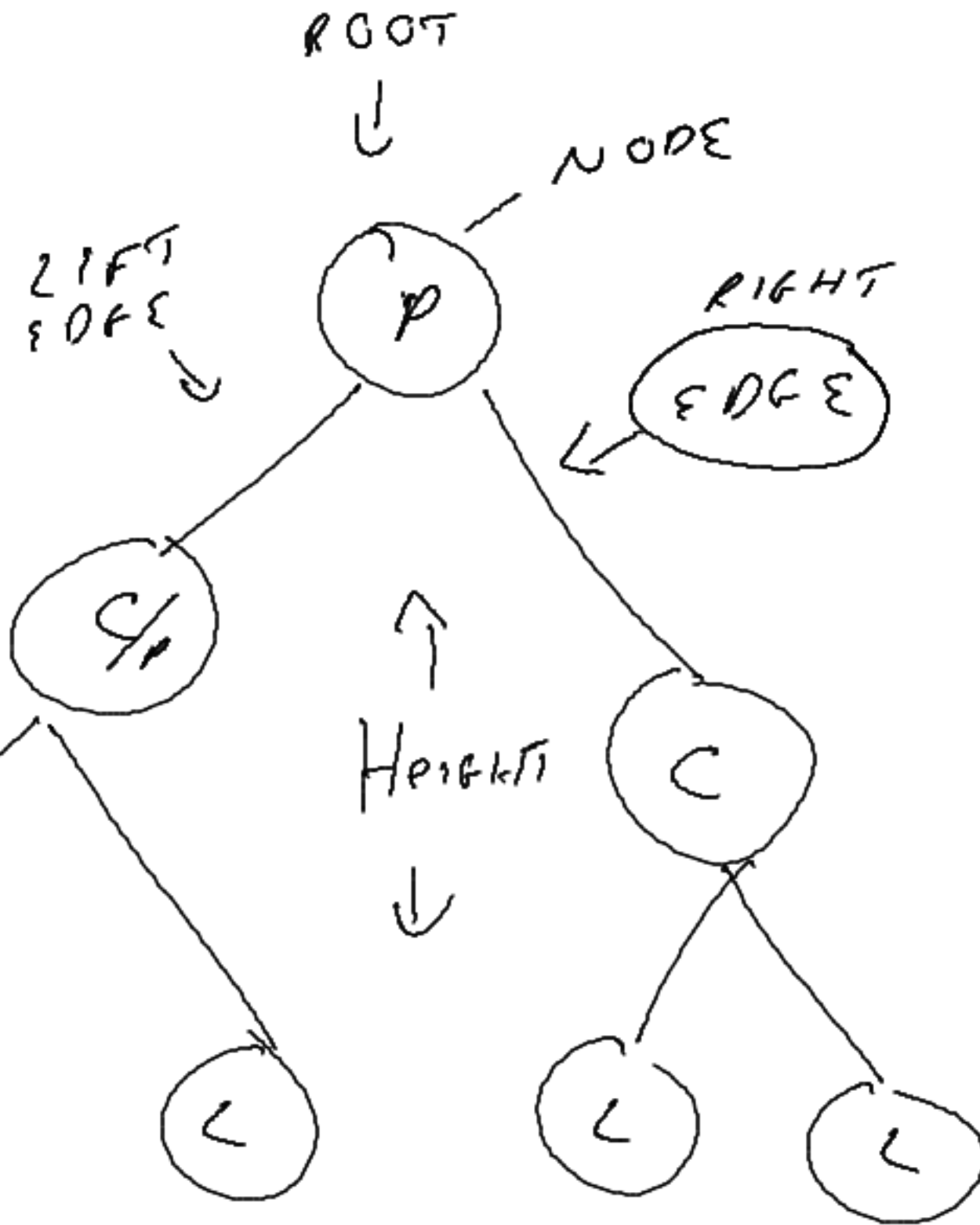
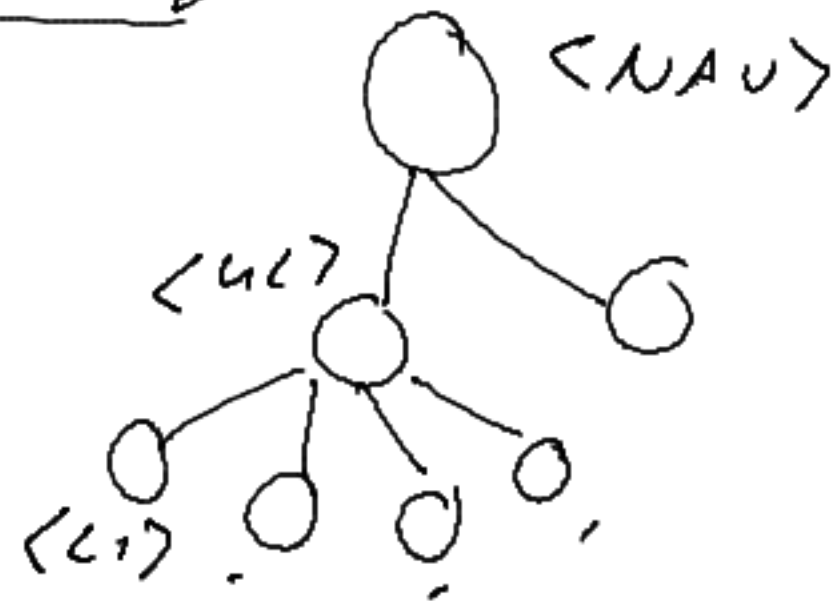


TREES

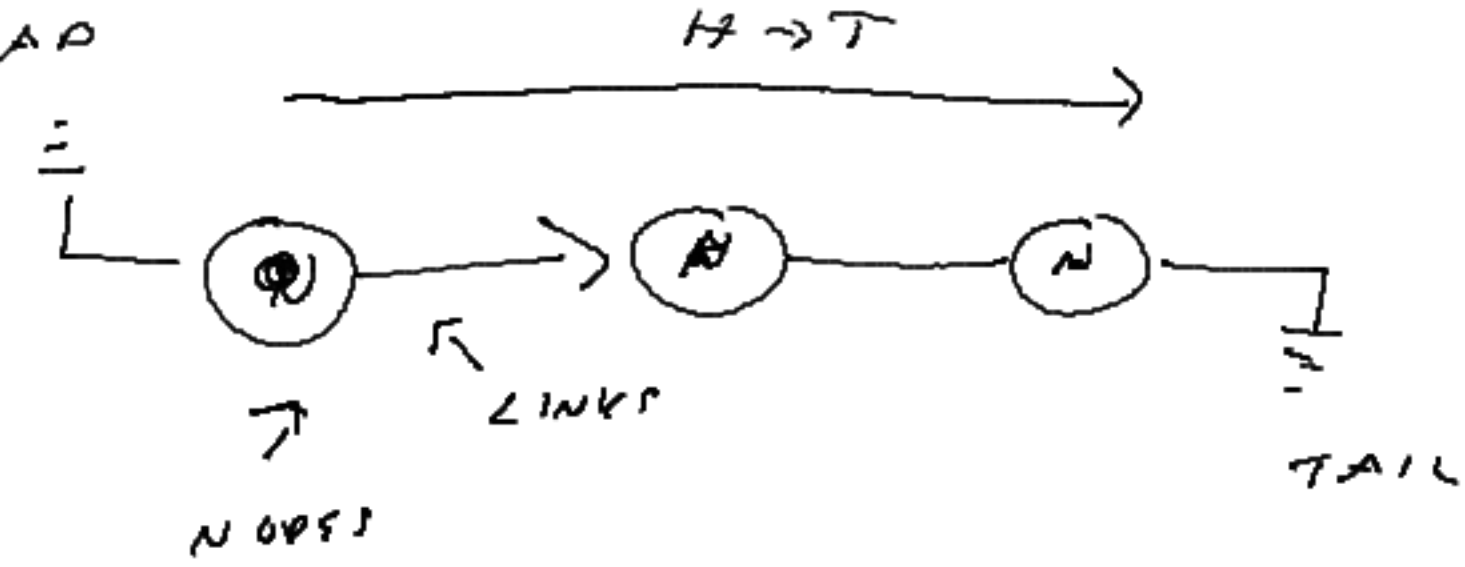


K-ARY

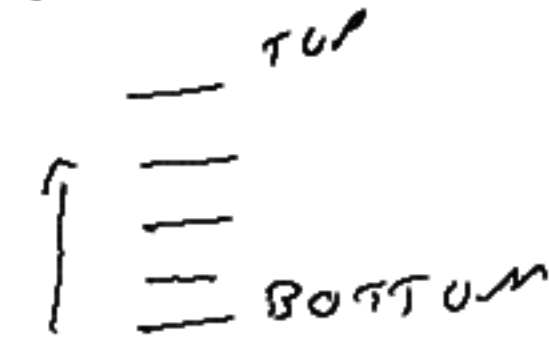


BALANCE =
 $\angle = 1 \text{ EDGE DIFF R/L}$

HEAD



STACK



LIFO

QUEUE



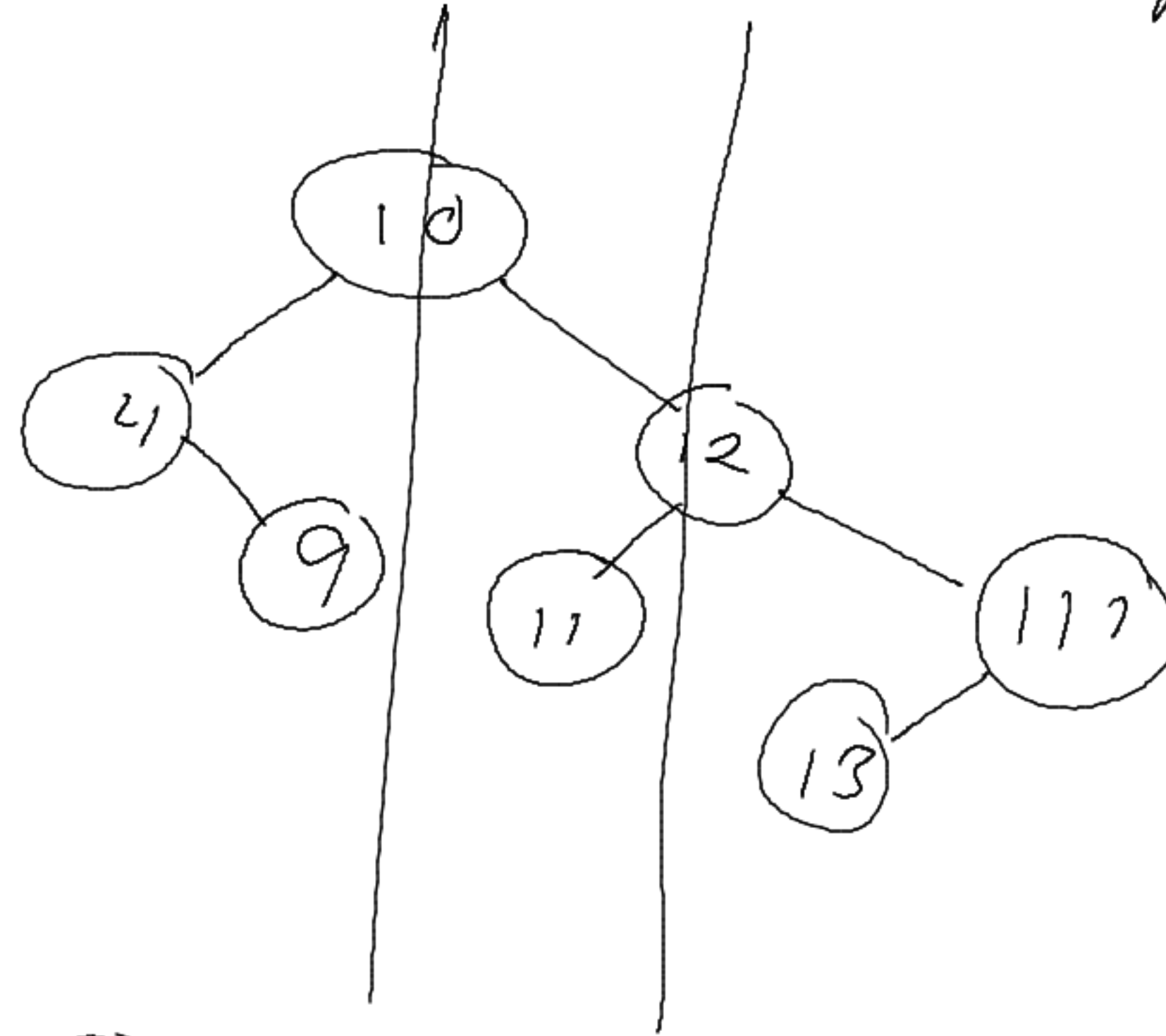
FIFO

BST

RULES:

LEFT IS LESS

RIGHT IS GREATER



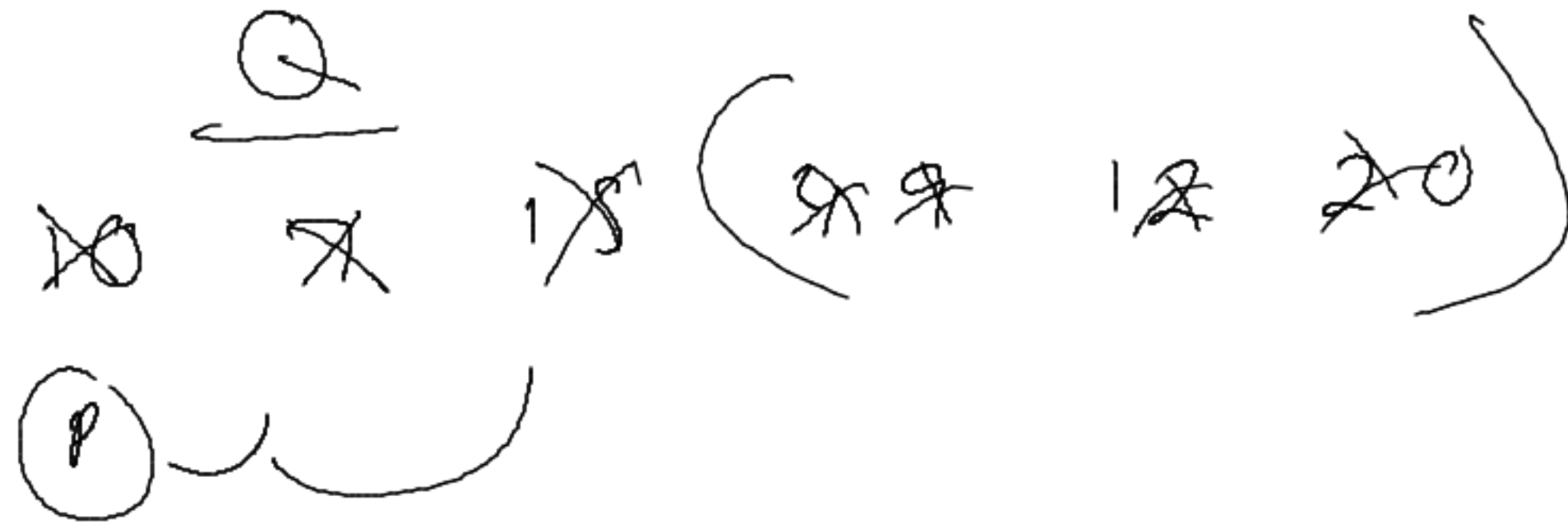
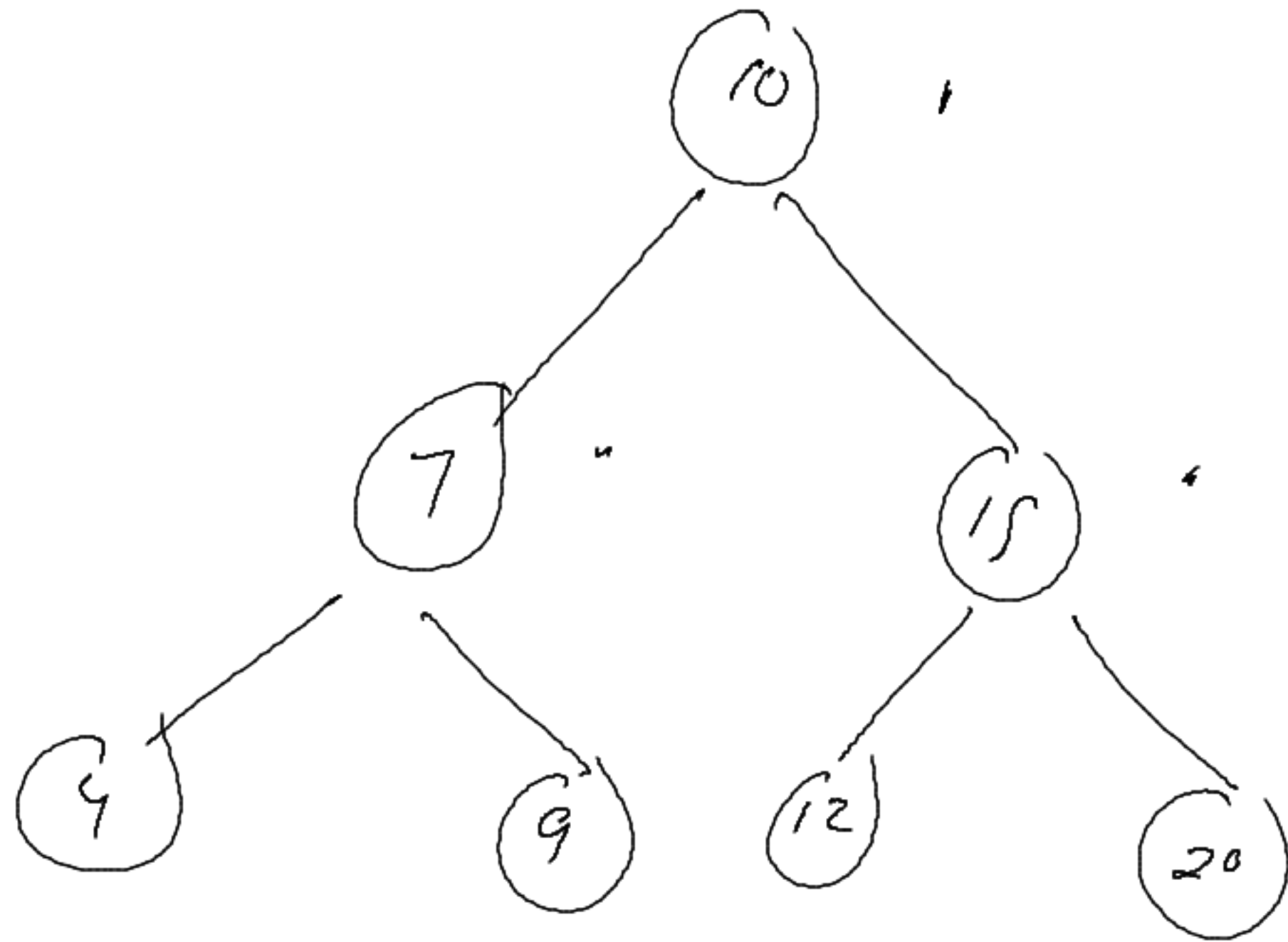
↓
[4, 9, 10, 11, 12, 13, 11]

A hand-drawn diagram illustrating a network structure. The nodes are labeled with letters and numbers, and the connections are as follows:

- Node 0 is connected to nodes D, G, and H.
- Node D is connected to nodes A and Y.
- Node A is connected to nodes Y and D.
- Node Y is connected to nodes A and C.
- Node C is connected to nodes Y and E.
- Node E is connected to nodes C and F.
- Node F is connected to nodes E and G.
- Node G is connected to nodes 0, F, and O.
- Node O is connected to nodes G and I.
- Node I is connected to nodes O and E.
- Node E is connected to nodes I and 3.
- Node 3 is connected to node E.
- Node H is connected to nodes 0 and T.
- Node T is connected to nodes H and 2.
- Node 2 is connected to nodes T and D.
- Node D is connected to nodes 2 and 1.
- Node 1 is connected to nodes D and 4.
- Node 4 is connected to nodes 1 and 5.
- Node 5 is connected to nodes 4 and 6.
- Node 6 is connected to nodes 5 and 7.
- Node 7 is connected to nodes 6 and 8.
- Node 8 is connected to nodes 7 and 9.
- Node 9 is connected to nodes 8 and 10.
- Node 10 is connected to nodes 9 and 11.
- Node 11 is connected to nodes 10 and 12.
- Node 12 is connected to nodes 11 and 13.
- Node 13 is connected to nodes 12 and 14.
- Node 14 is connected to nodes 13 and 15.
- Node 15 is connected to nodes 14 and 16.
- Node 16 is connected to nodes 15 and 17.
- Node 17 is connected to nodes 16 and 18.
- Node 18 is connected to nodes 17 and 19.
- Node 19 is connected to nodes 18 and 20.
- Node 20 is connected to nodes 19 and 21.
- Node 21 is connected to nodes 20 and 22.
- Node 22 is connected to nodes 21 and 23.
- Node 23 is connected to nodes 22 and 24.
- Node 24 is connected to nodes 23 and 25.
- Node 25 is connected to nodes 24 and 26.
- Node 26 is connected to nodes 25 and 27.
- Node 27 is connected to nodes 26 and 28.
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- Node 30 is connected to nodes 29 and 31.
- Node 31 is connected to nodes 30 and 32.
- Node 32 is connected to nodes 31 and 33.
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- Node 34 is connected to nodes 33 and 35.
- Node 35 is connected to nodes 34 and 36.
- Node 36 is connected to nodes 35 and 37.
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- Node 101 is connected to nodes 100 and 102.
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- Node 131 is connected to nodes 130 and 132.
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- Node 134 is connected to nodes 133 and 135.
- Node 135 is connected to nodes 134 and 136.
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- Node 137 is connected to nodes 136 and 138.
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- Node 140 is connected to nodes 139 and 141.
- Node 141 is connected to nodes 140 and 142.
- Node 142 is connected to nodes 141 and 143.
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- Node 154 is connected to nodes 153 and 155.
- Node 155 is connected to nodes 154 and 156.
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- Node 162 is connected to nodes 161 and 163.
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- Node 165 is connected to nodes 164 and 166.
- Node 166 is connected to nodes 165 and 167.
- Node 167 is connected to nodes 166 and 168.
- Node 168 is connected to nodes 167 and 169.
- Node 169 is connected to nodes 168 and 170.
- Node 170 is connected to nodes 169 and 171.
- Node 171 is connected to nodes 170 and 172.
- Node 172 is connected to nodes 171 and 173.
- Node 173 is connected to nodes 172 and 174.

BFT

S: $O(W)$
T: $O(N)$ }
↑



BREADTH - FIRST

SEE ALL NODES
QUEUE

WHILE ...

* DO * W NODE

ENG
ENG

PRE-ORDER
IN-ORDER
POST-ORDER

DEPTH FIRST

O(H)

