

● black node
● red node

```
graph TD; Root(( )) --- L1L(( )); Root --- L1R(( )); L1L --- L2L1(( )); L1L --- L2L2(( )); L1R --- L2R1(( )); L1R --- L2R2(( )); L2L1 --- L3L1(( )); L2L1 --- L3L2(( )); L2L2 --- L3L3(( )); L2L2 --- L3L4(( )); L2R1 --- L3R1(( )); L2R1 --- L3R2(( )); L2R2 --- L3R3(( )); L2R2 --- L3R4(( )); L3L1 --- L4L1[ ]; L3L1 --- L4L2[ ]; L3L2 --- L4L3[ ]; L3L2 --- L4L4[ ]; L3L3 --- L4L5[ ]; L3L3 --- L4L6[ ]; L3L4 --- L4L7[ ]; L3L4 --- L4L8[ ]; L3R1 --- L4R1[ ]; L3R1 --- L4R2[ ]; L3R2 --- L4R3[ ]; L3R2 --- L4R4[ ]; L3R3 --- L4R5[ ]; L3R3 --- L4R6[ ]; L3R4 --- L4R7[ ]; L3R4 --- L4R8[ ];
```

● black node
● red node

```
graph TD; Root(( )) --- L1L(( )); Root --- L1R(( )); L1L --- L2L1(( )); L1L --- L2L2(( )); L1R --- L2R1(( )); L1R --- L2R2(( )); L2L1 --- L3L1(( )); L2L1 --- L3L2(( )); L2L2 --- L3L3(( )); L2L2 --- L3L4(( )); L2R1 --- L3R1(( )); L2R1 --- L3R2(( )); L2R2 --- L3R3(( )); L2R2 --- L3R4(( )); L3L1 --- L4L1[ ]; L3L1 --- L4L2[ ]; L3L2 --- L4L3[ ]; L3L3 --- L4L4[ ]; L3L4 --- L4L5[ ]; L3L4 --- L4L6[ ]; L3L4 --- L4L7[ ]; L3R1 --- L4R1[ ]; L3R1 --- L4R2[ ]; L3R2 --- L4R3[ ]; L3R3 --- L4R4[ ]; L3R4 --- L4R5[ ]; L3R4 --- L4R6[ ]; L3R4 --- L4R7[ ]; L3R4 --- L4R8[ ]; L3R4 --- L4R9[ ]; L3R4 --- L4R10[ ]
```