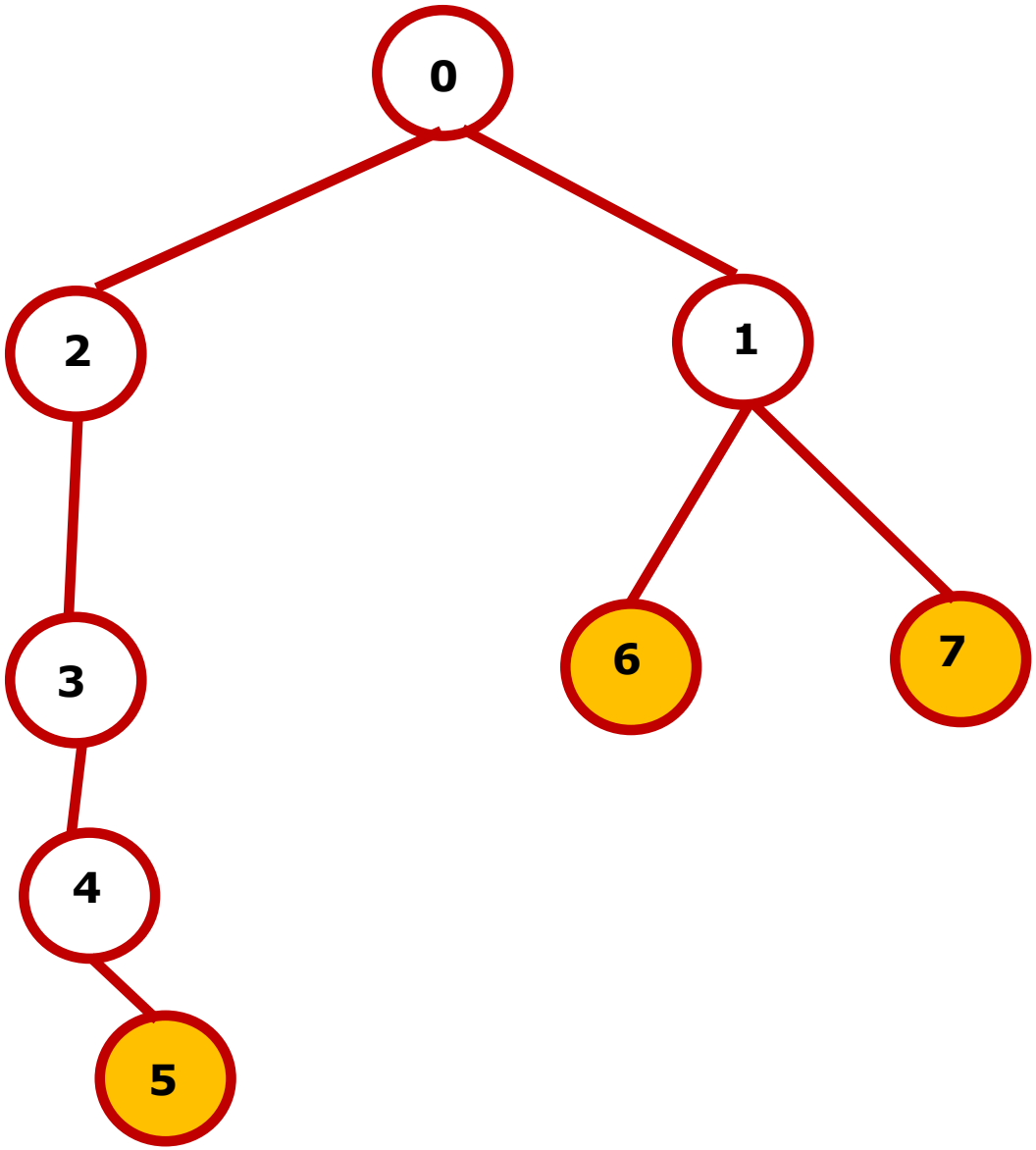
1. **Tree 0**
2. **Tree 1**
3. **Tree 2**
4. **Tree 3**
5. **Tree 4**
6. **Tree 5**

Tree 0


0
2
1
3
6
7
4
5

********** build leaves array **********

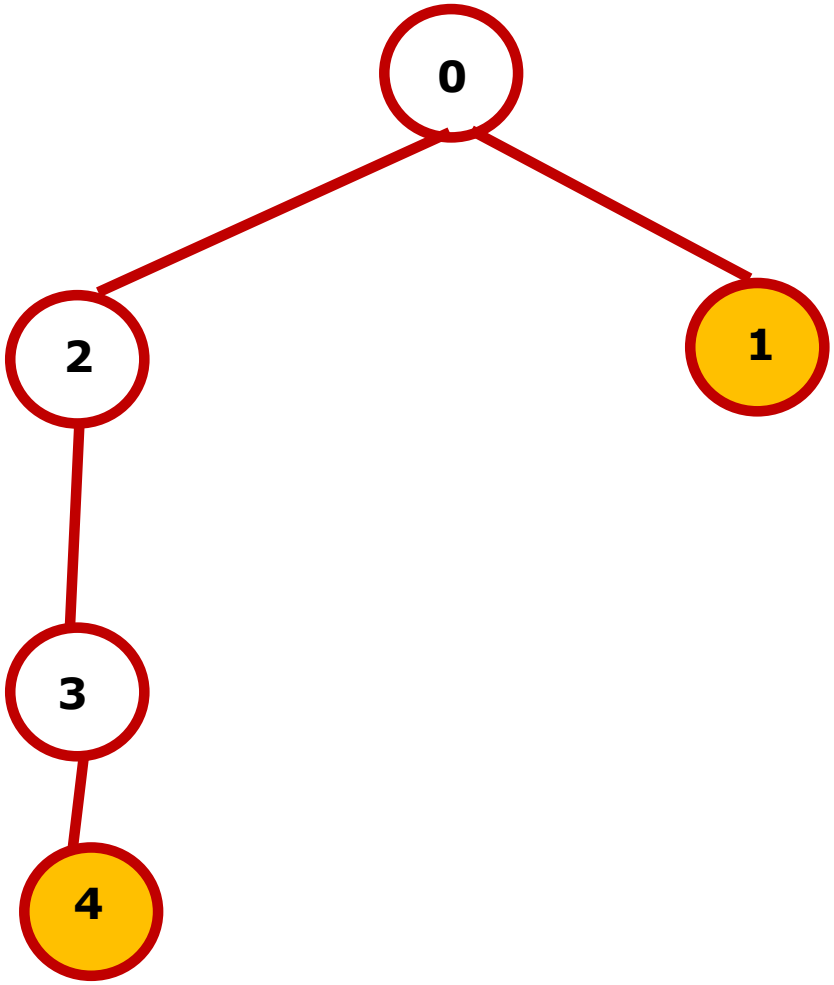
treeLength = 8

********** tree **********

0 | [1, 2]
1 | [0, 6, 7]
2 | [0, 3]
3 | [2, 4]
4 | [3, 5]
5 | [4] leaf
6 | [1] leaf
7 | [1] leaf

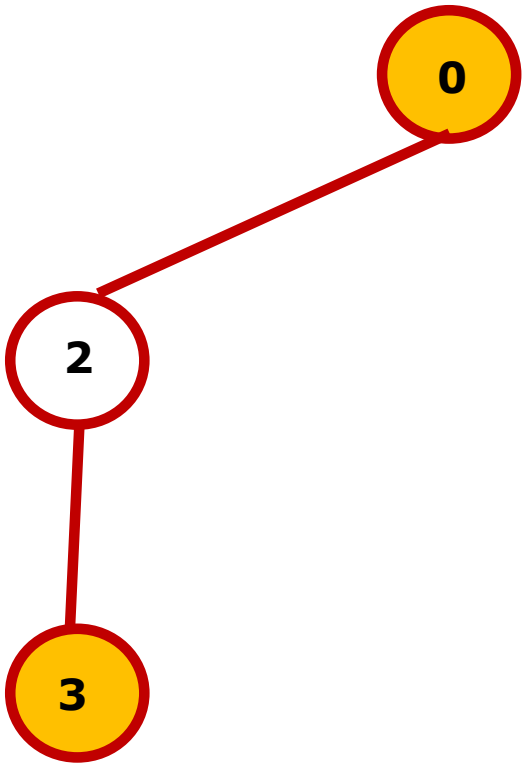
********** leaves **********

Leaves = [5, 6, 7] Radius = 1



Leaves = [4, 1]

Radius = 2



Leaves = [3, 0]

Radius = 3

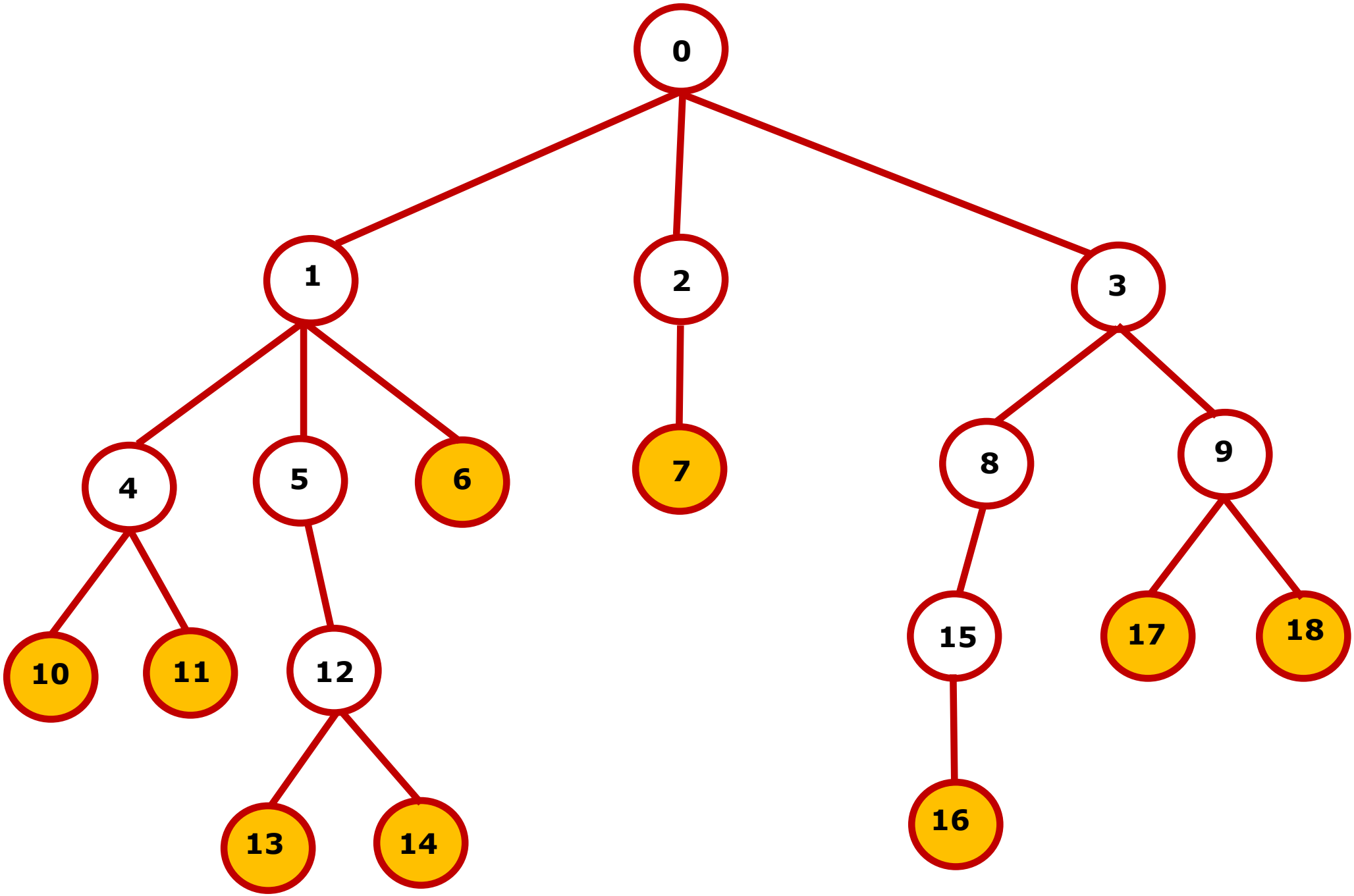
Leaves = [2]

Center = [2]

Radius = 3

Diameter = 6

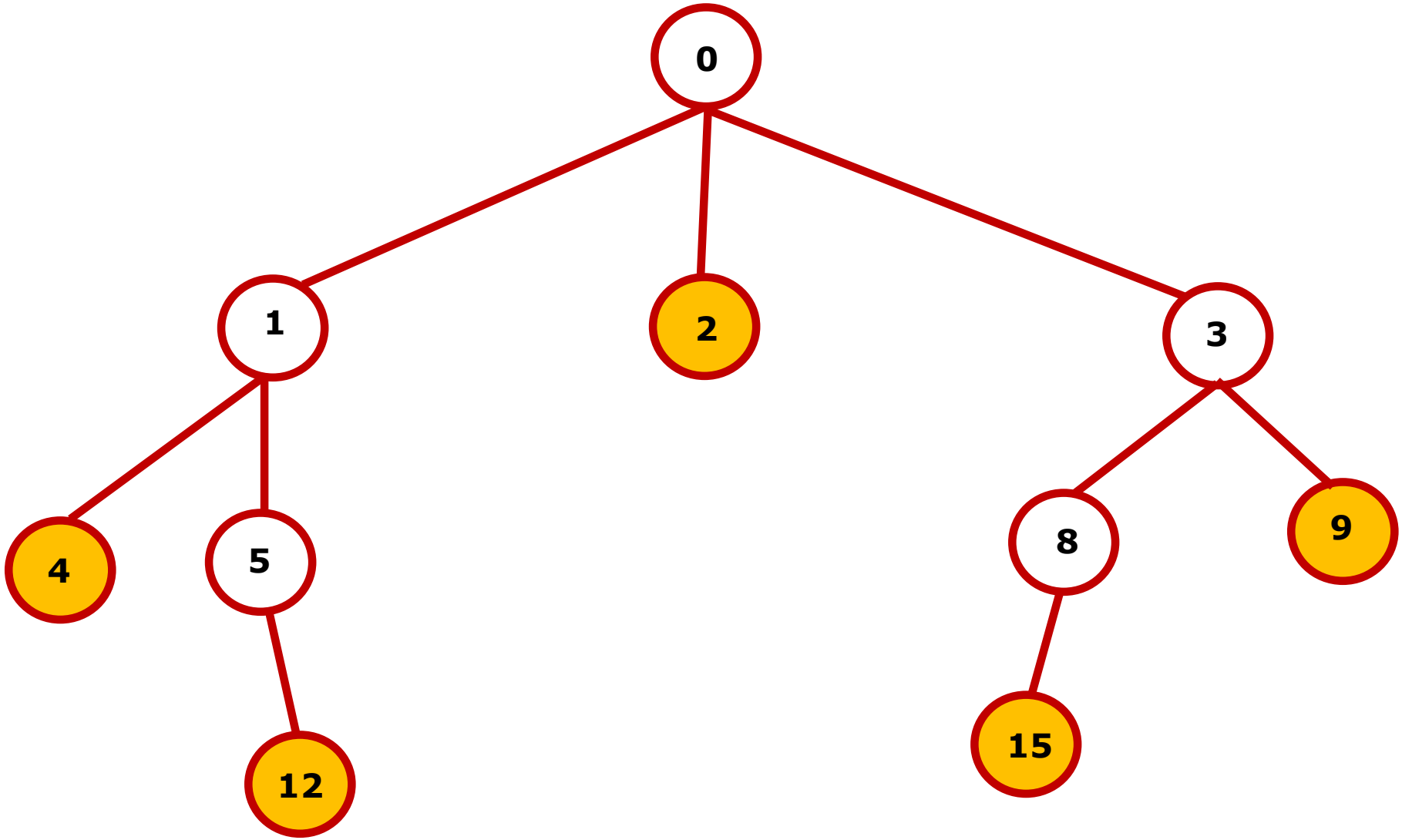
Tree 1


0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Leaves

[6, 7, 10, 11, 13, 14, 16, 17, 18]

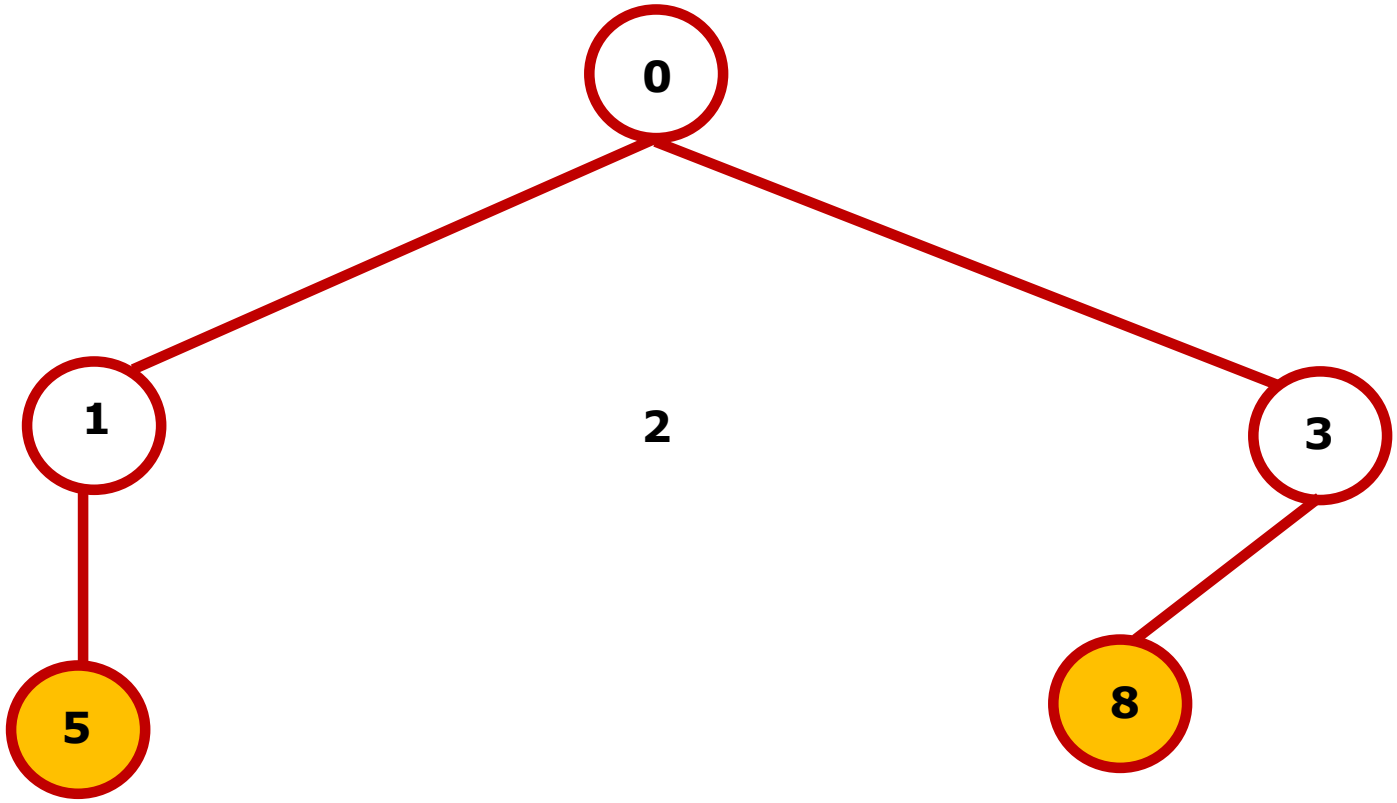
Radius = 1



Leaves

Radius = 2

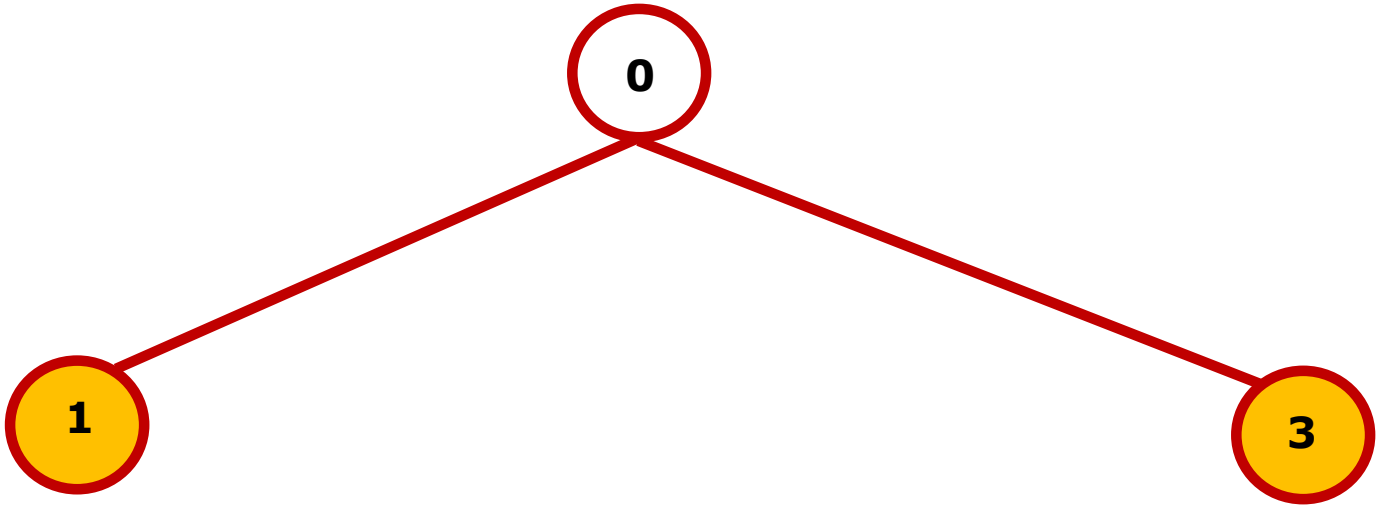
[2, 4, 12, 15, 9]



Leaves

Radius = 3

[5, 8]

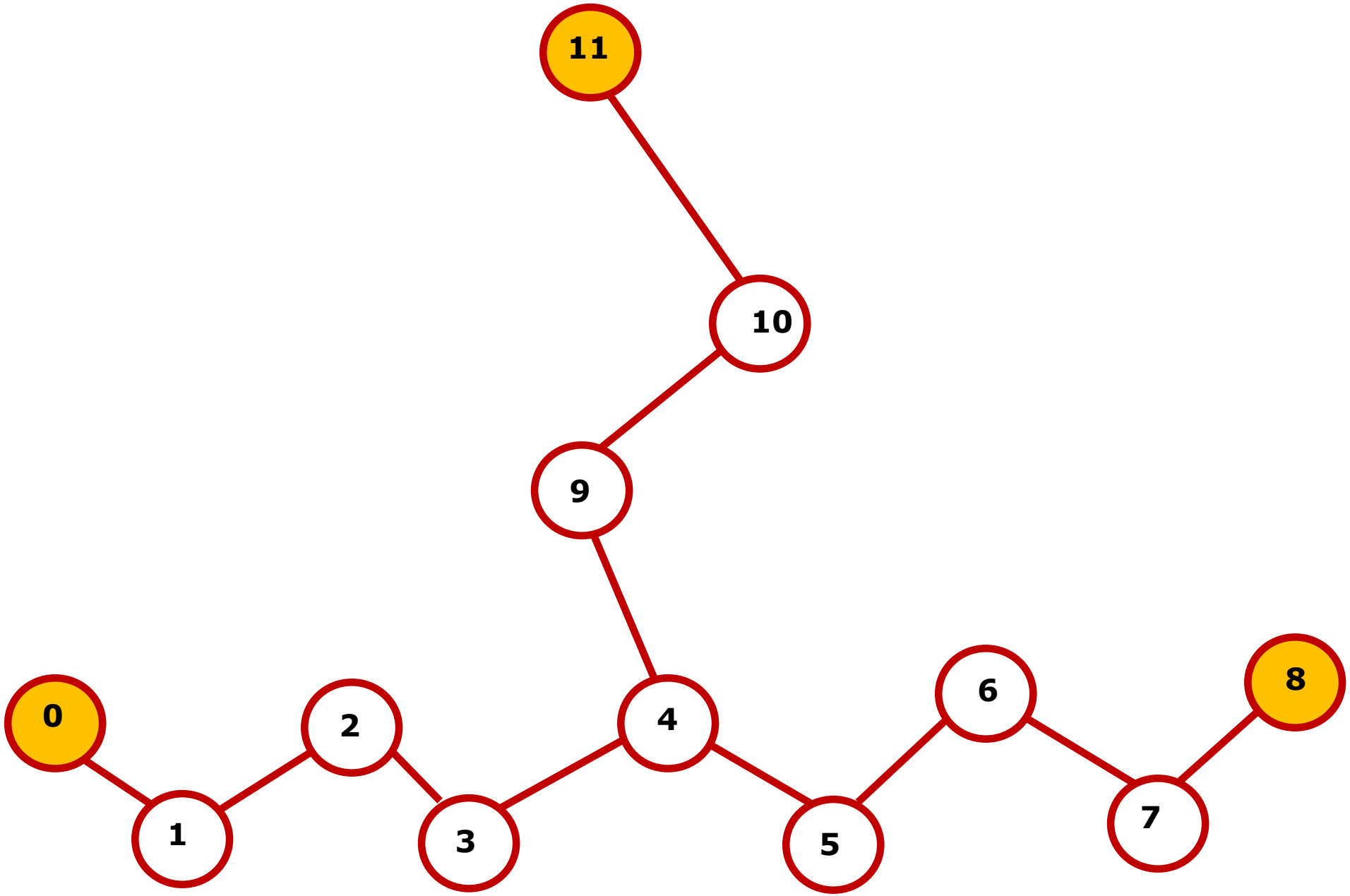


Leaves

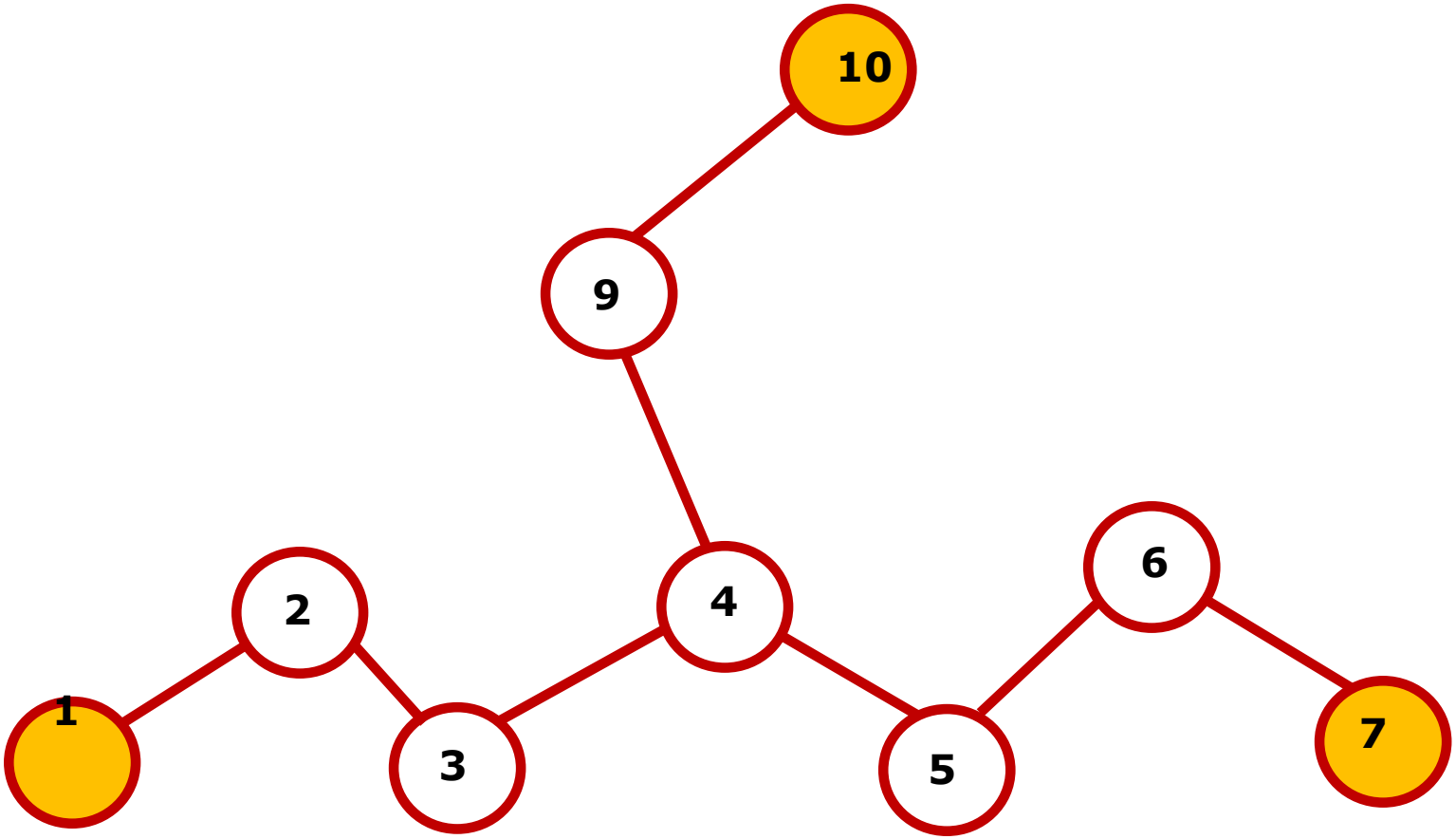
Radius = 4

[1, 3]

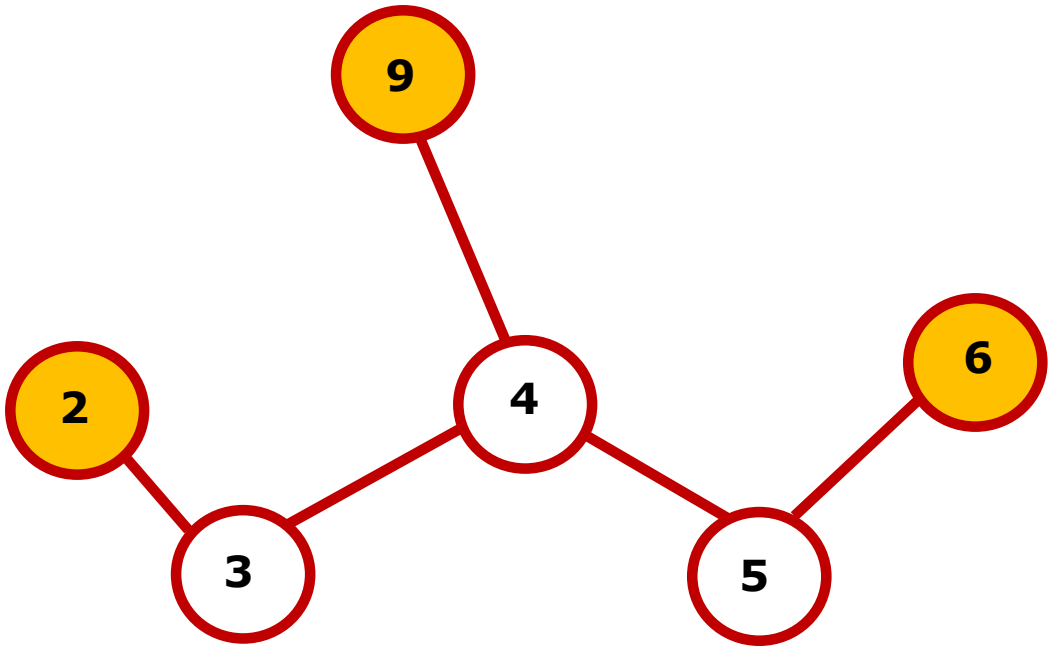
Tree 2


11
10
9
0
2
4
6
8
1
3
5
7

Leaves [0, 8, 11] **Radius = 1**

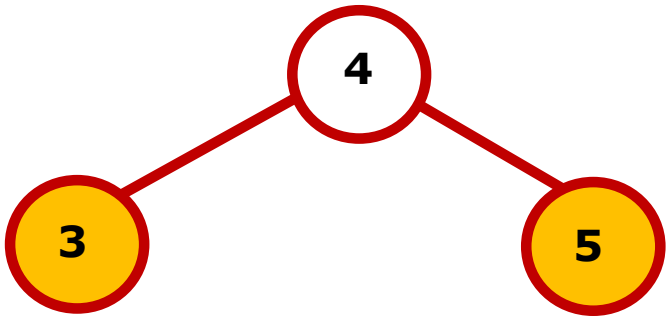


Leaves **[1, 7, 10]** **Radius = 2**



Leaves **[2, 6, 9]**

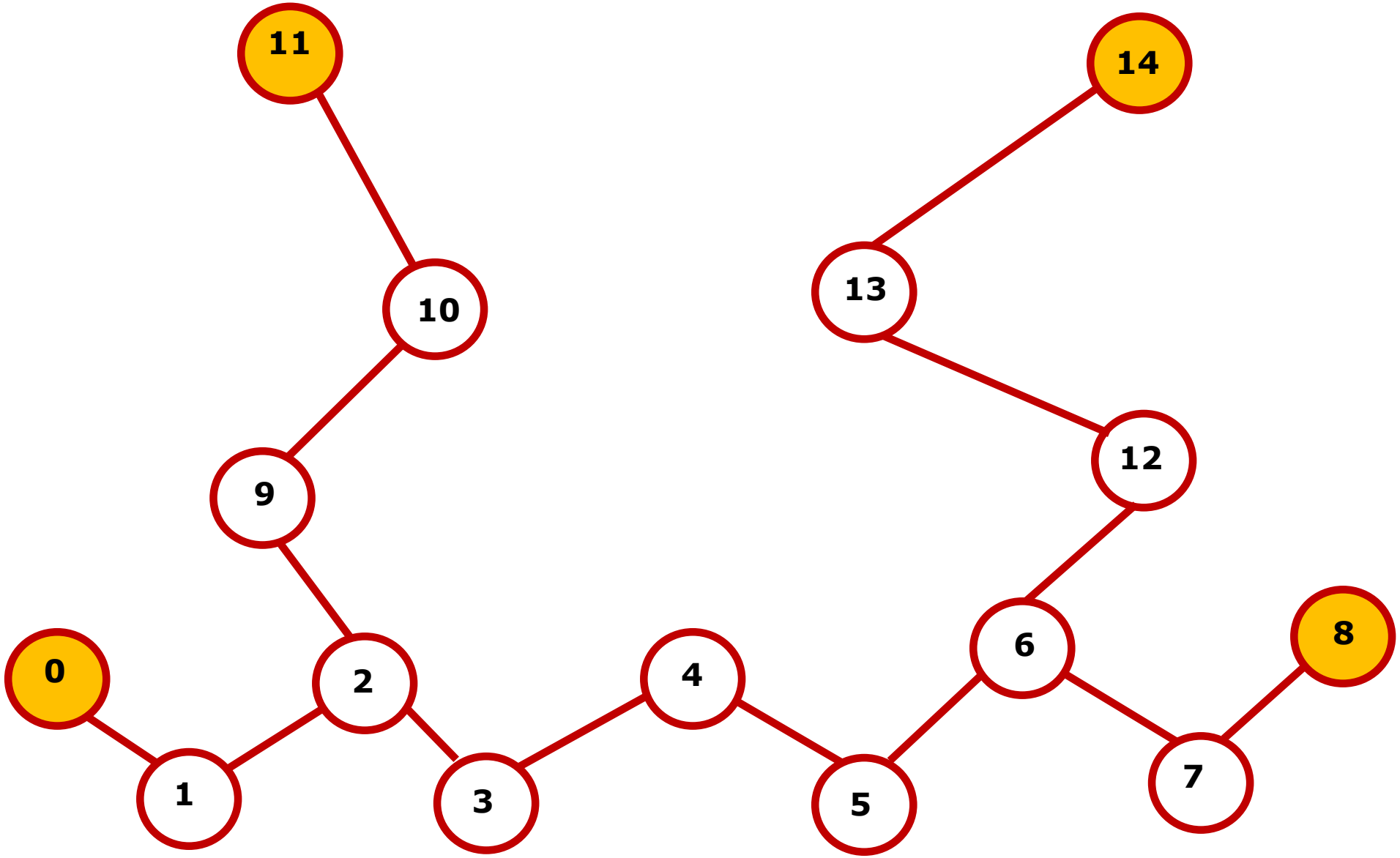
Radius = 4



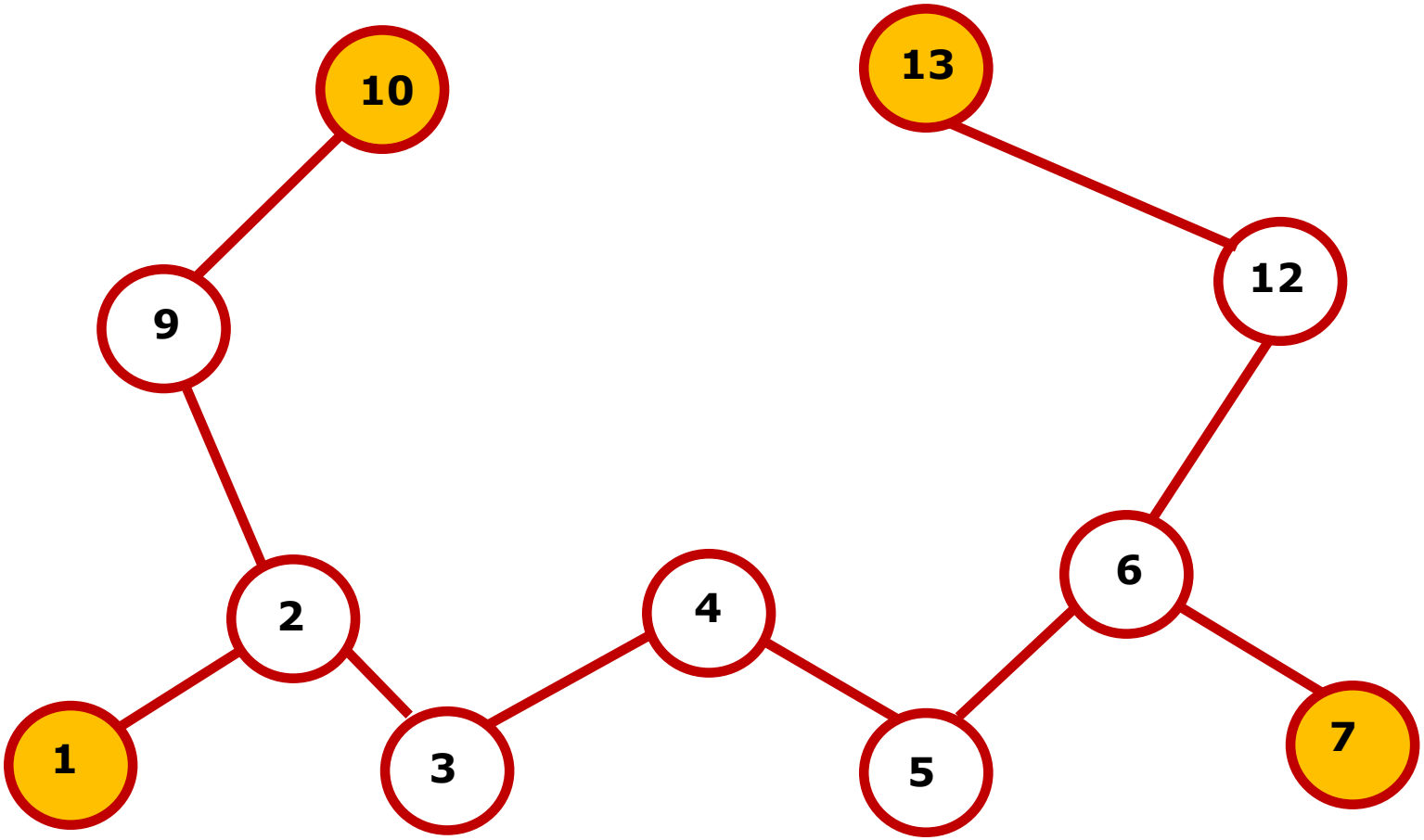
Leaves [3, 5] **Radius = 5**

Center = 4

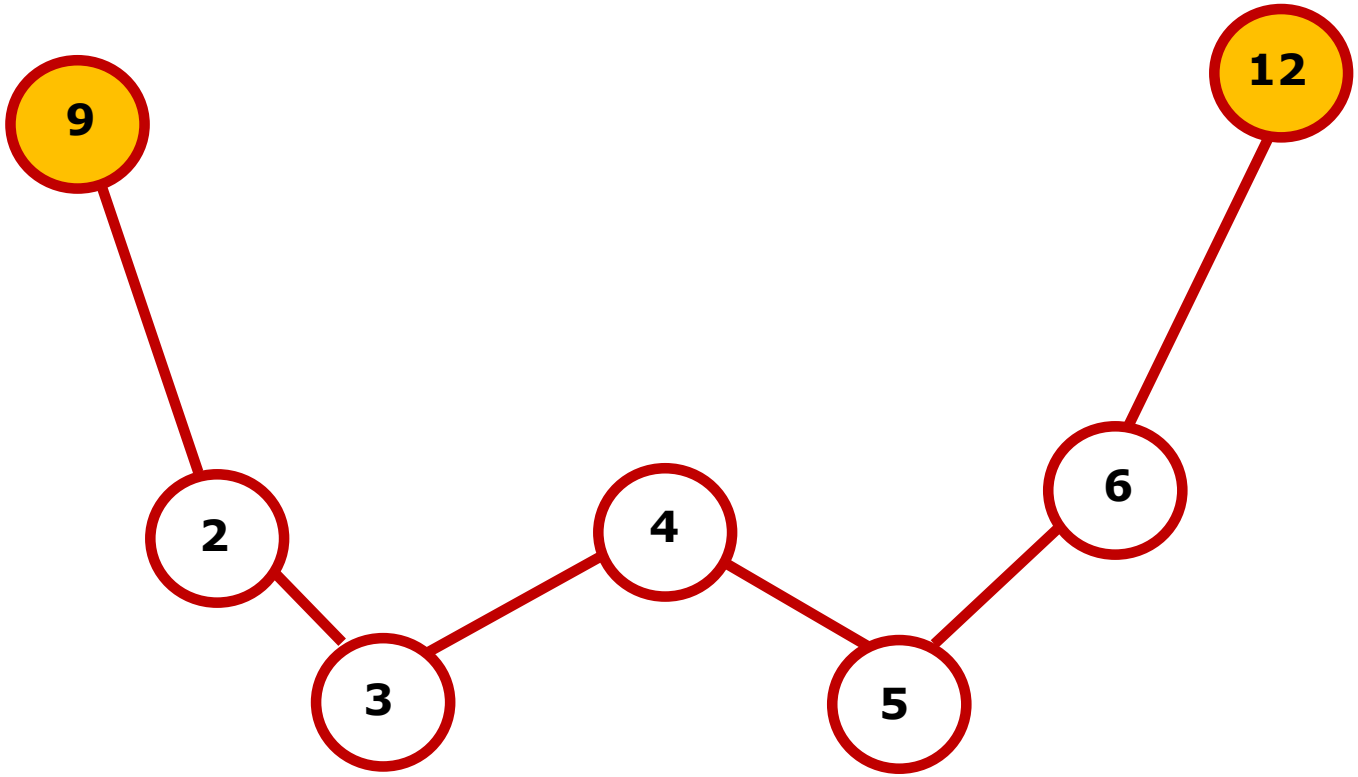
Tree 3


11
14
10
13
9
12
0
2
4
6
8
1
3
5
7

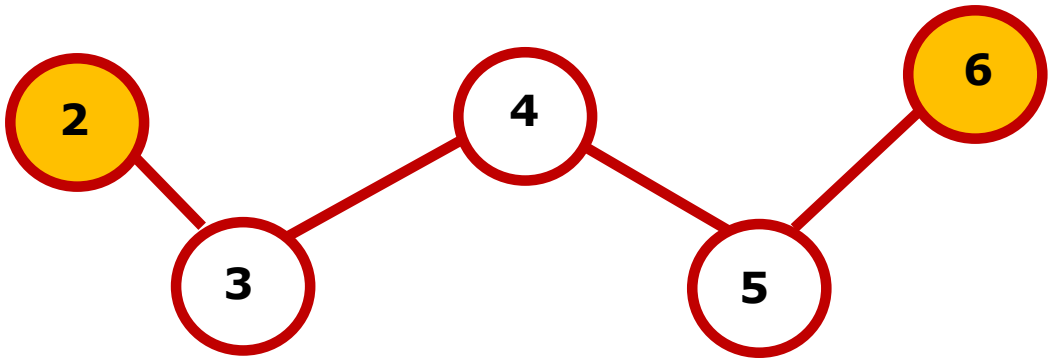
Leaves [0, 8, 11, 14] **Radius = 1**



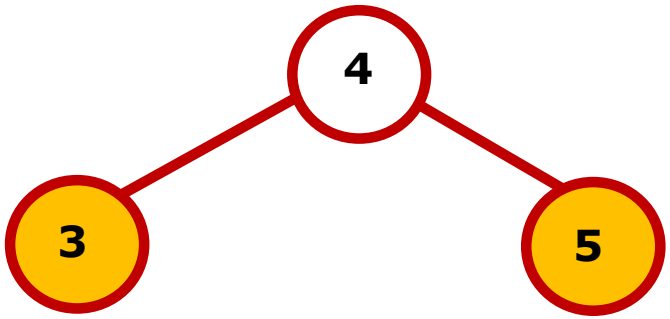
Leaves **[1, 7, 10, 13]** **Radius = 2**



Leaves [9, 12] **Radius = 3**



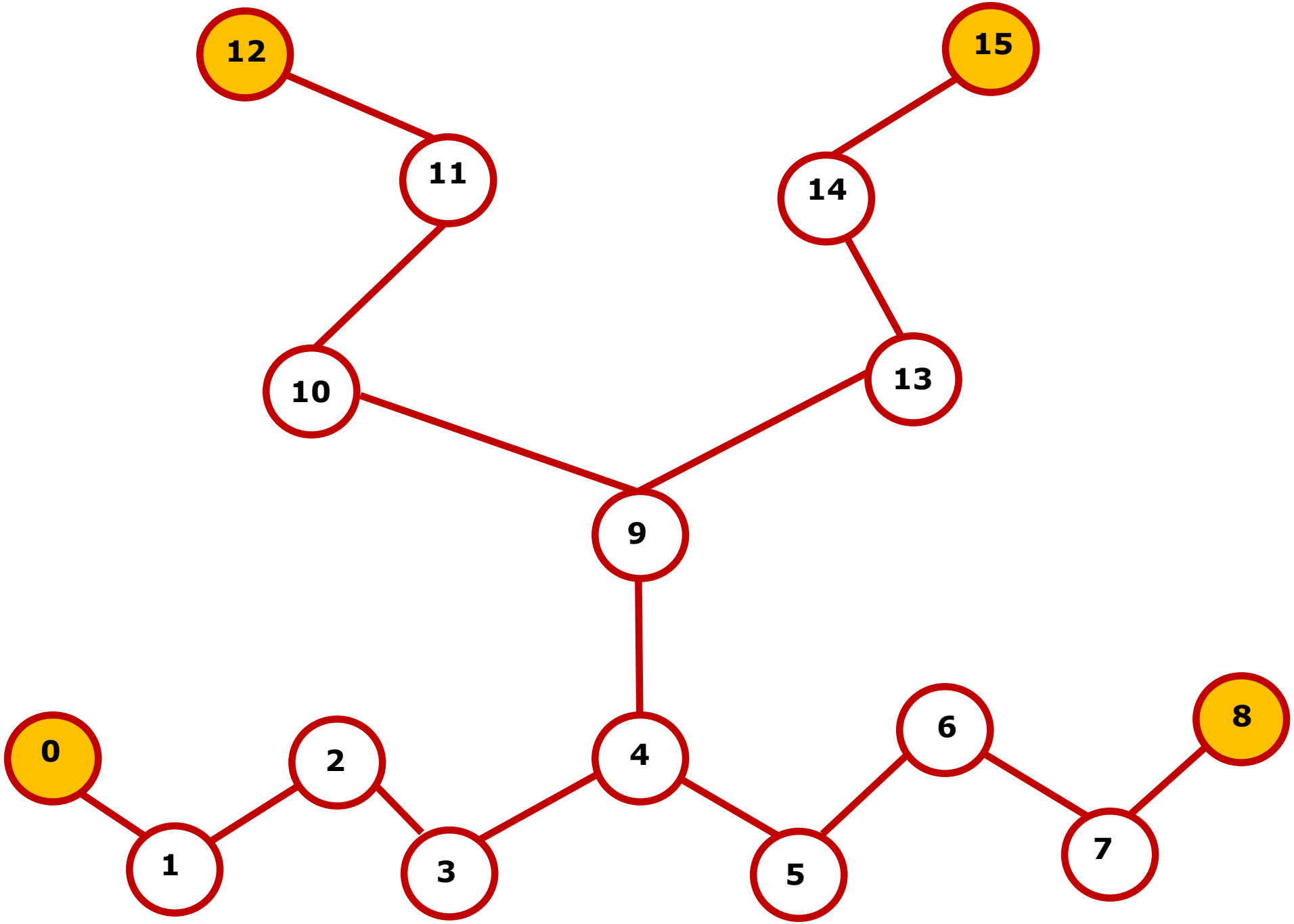
Leaves [2, 6] **Radius = 4**



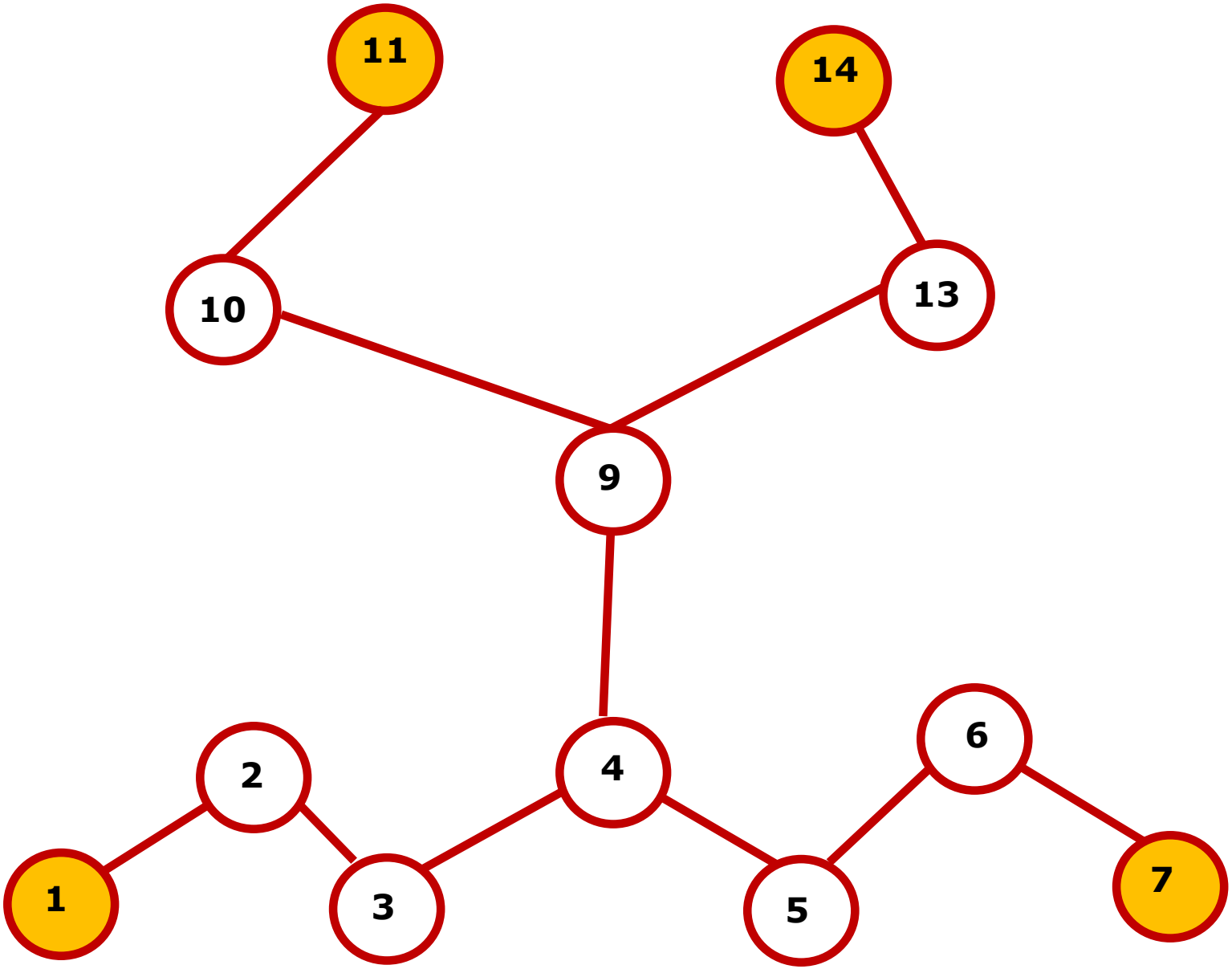
Leaves [3, 5] **Radius = 5**

Center = 4

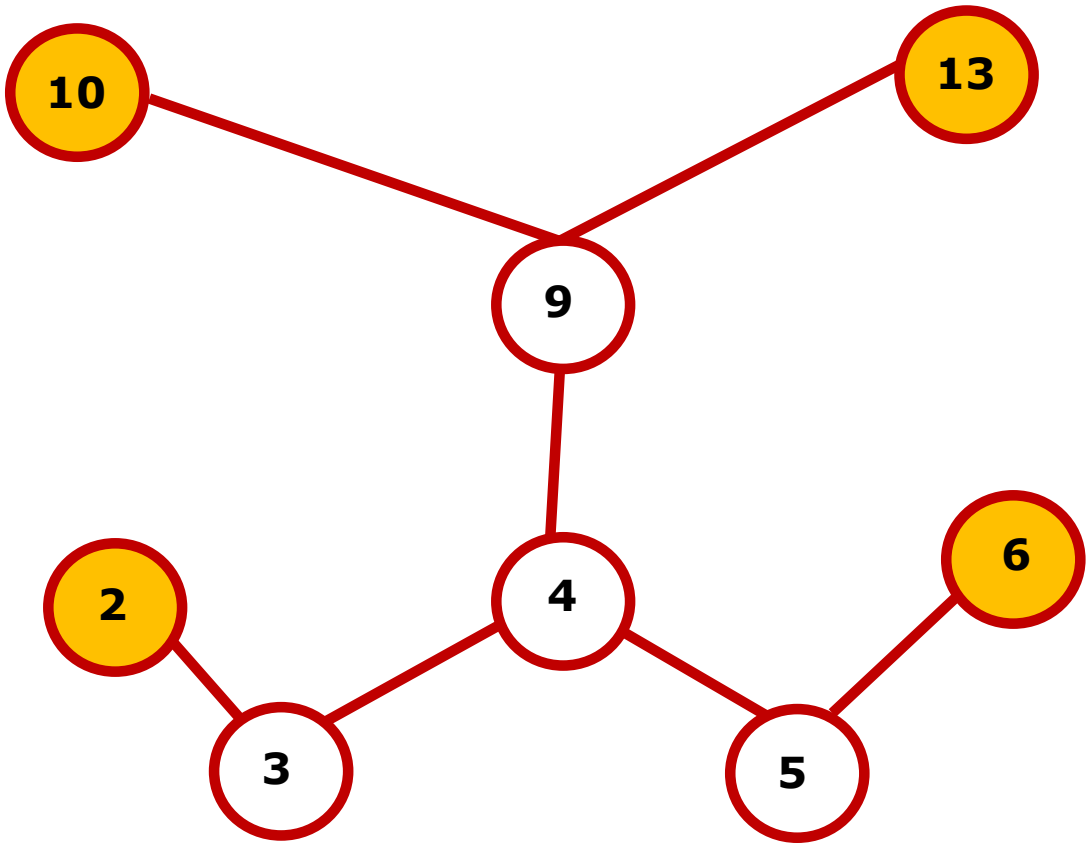
Tree 4


12
15
11
14
10
13
9
0
2
4
6
8
1
3
5
7

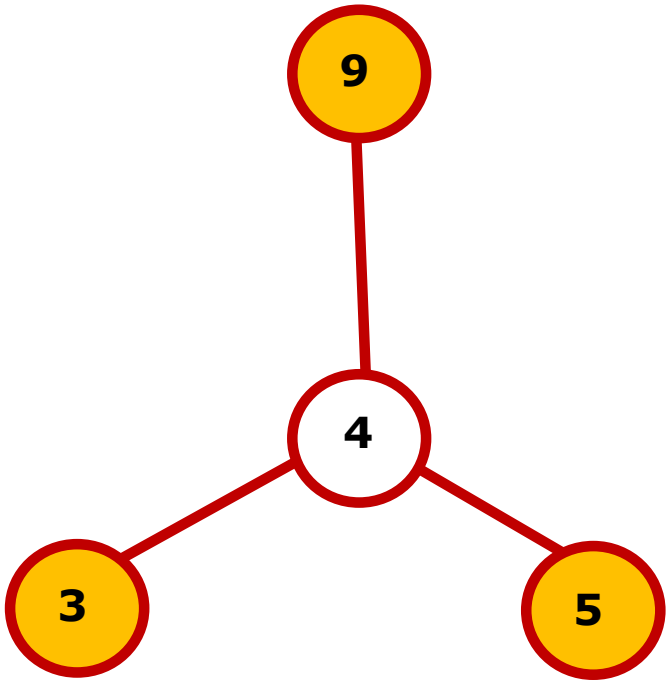
Leaves [0, 8, 12, 15] **Radius = 1**



Leaves **[1, 7, 11, 14]** **Radius = 2**



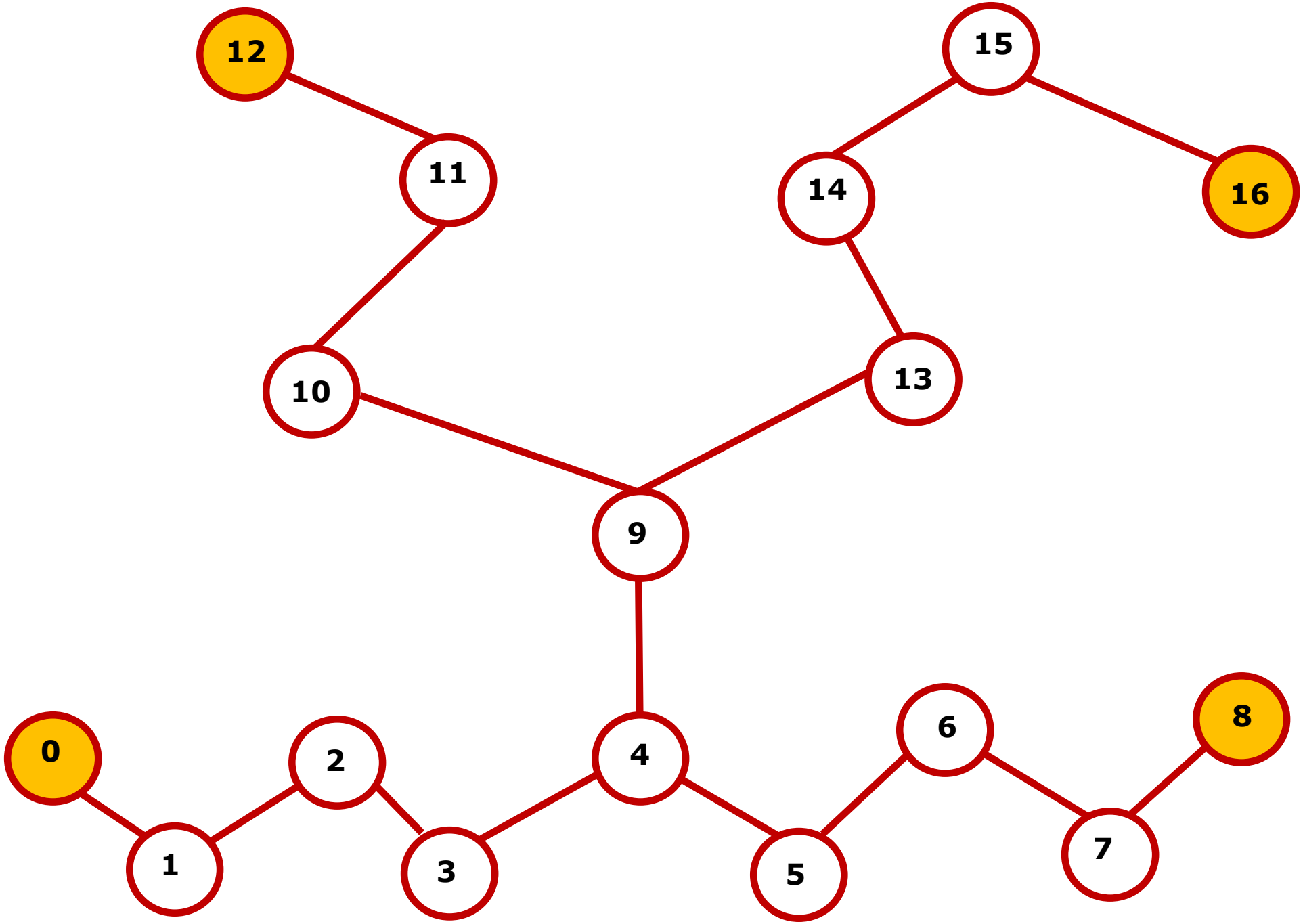
Leaves [2, 6, 10, 13] **Radius = 3**



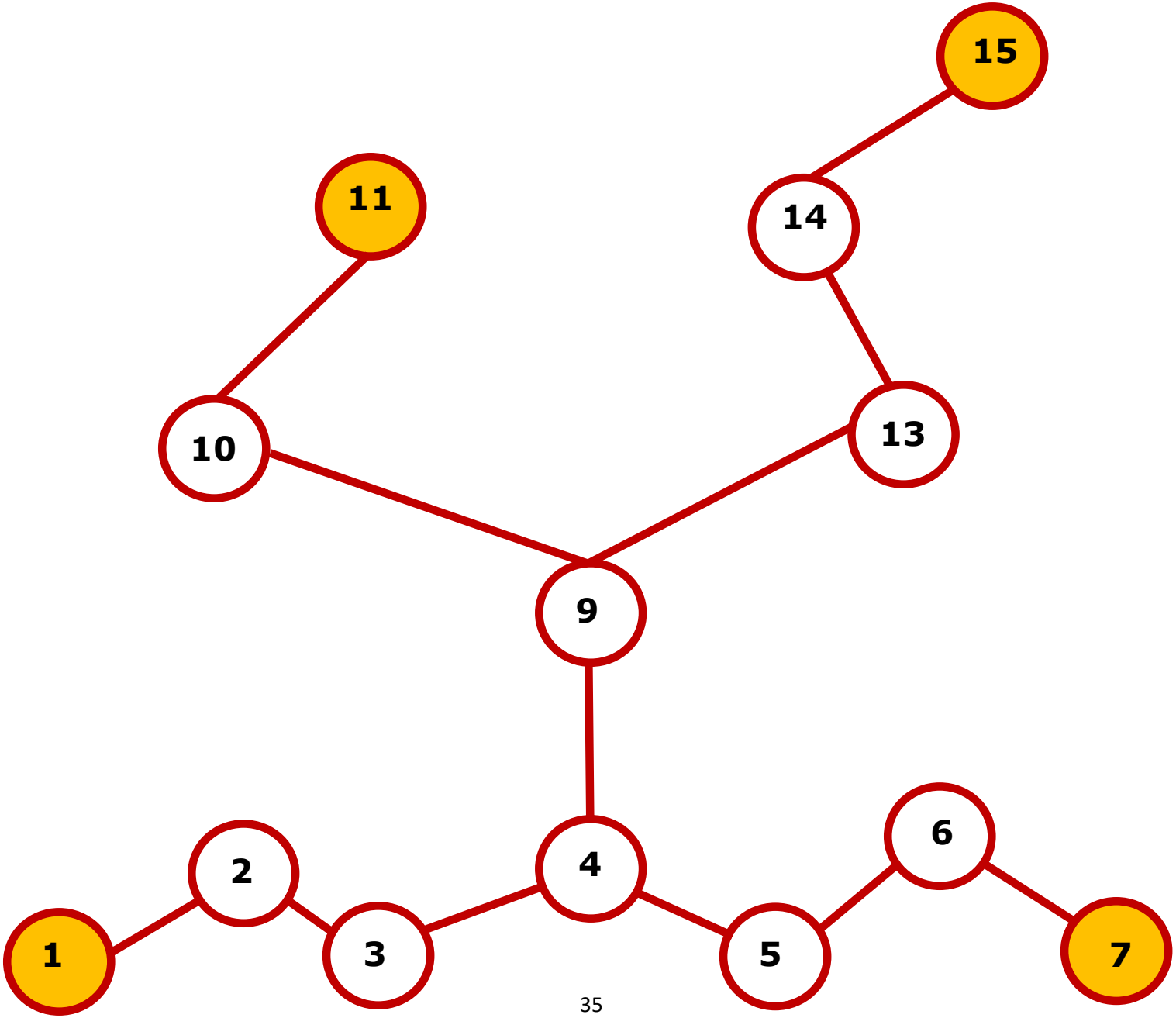
Leaves [3, 5, 9] **Radius = 4**

Center = 4

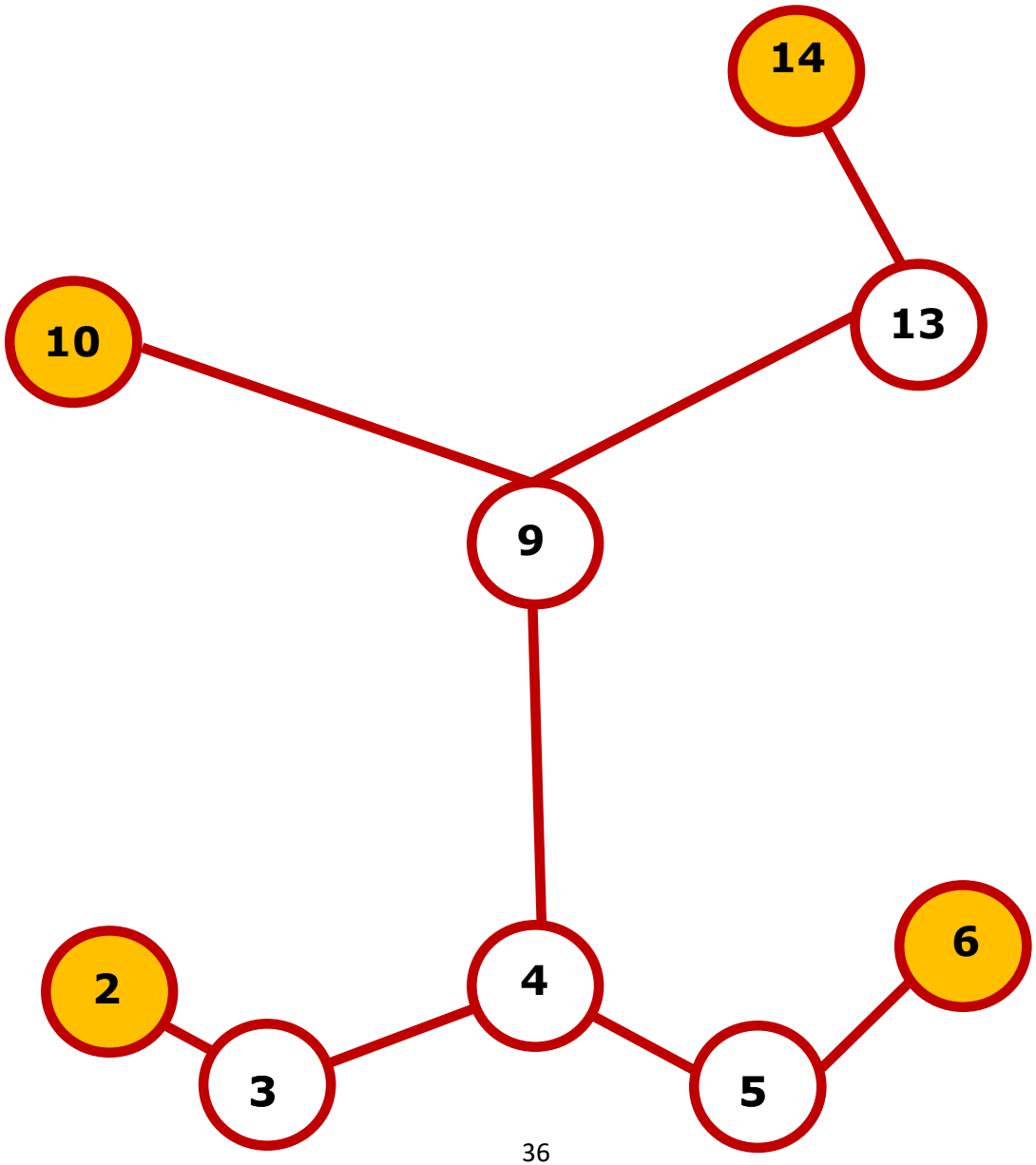
Tree 5


12
15
11
14
16
10
13
9
0
2
4
6
8
1
3
5
7

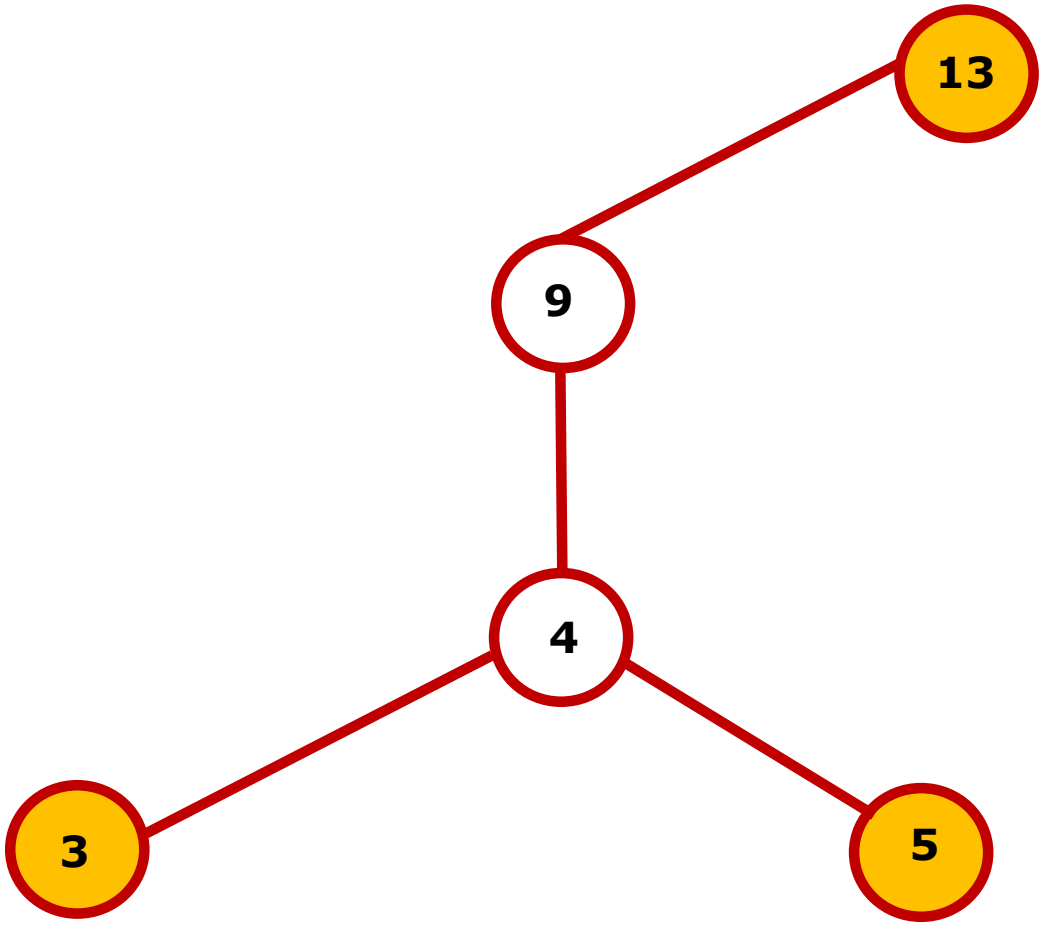
Leaves [0, 8, 12, 16] **Radius = 1**



Leaves **[1, 7, 11, 15]** **Radius = 2**

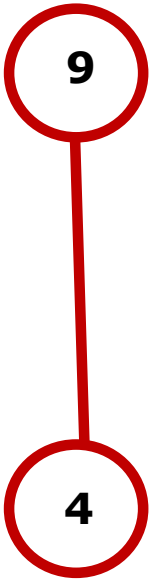


Leaves **[2, 6, 10, 14]** **Radius = 3**



Leaves [3, 5, 13]

Radius = 4

Center = [4, 9]

Diameter = 9