1.

node	leftmost child	right sibling
1	2	
2	4	3
3	5	
4	8	
5	10	6
6		7
7	11	
8		9
9		
10	13	
11		12
12		
13		14
14	15	
15		

2.
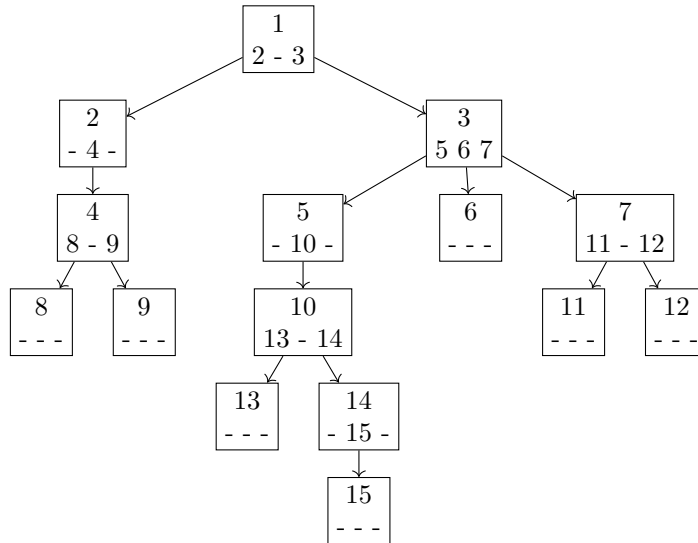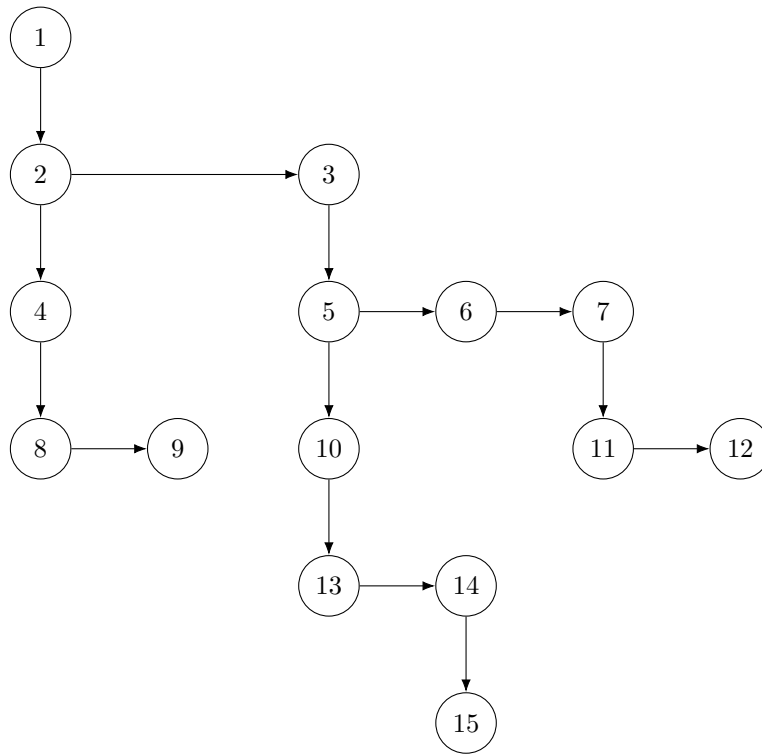
The trie needs the memory of an `int` and an array of three `pNODE`s. The leftmost-child-right-sibling representation needs the memory of an `int` and two `pNODE`s.

3.