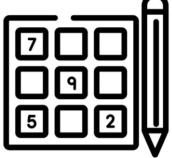
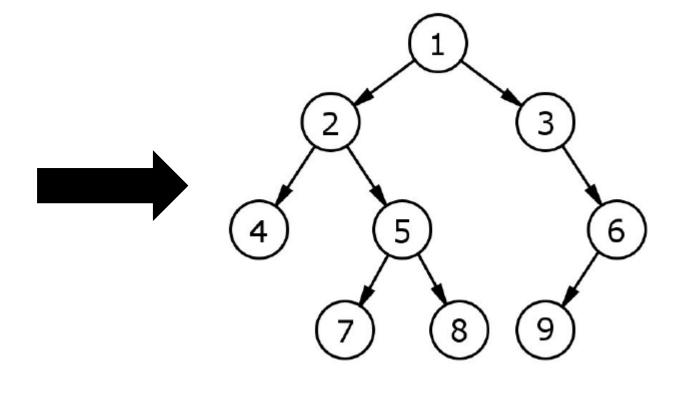
## SUDOKU POL



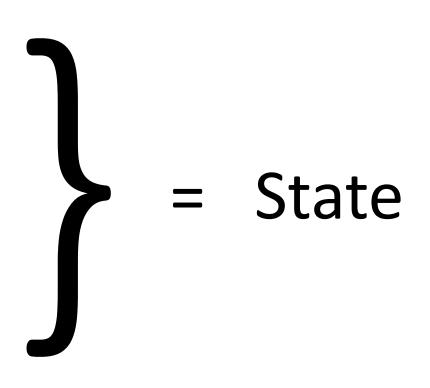
	3			7				
6			1	9	5			
	9	8					6	
8	Г			6				3
8 4 7			8		3			3 1 6
7				2				6
	6					2	8	
			4	1	9			5 9
				8			7	9

{ 1, 2, 3, 4, 5, 6, 7, 8, 9 }

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
8 4 7			8		3			1
7				2				6
	6					2	8	
			4	1	9			5 9
				8			7	9



5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
8 4 7			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9



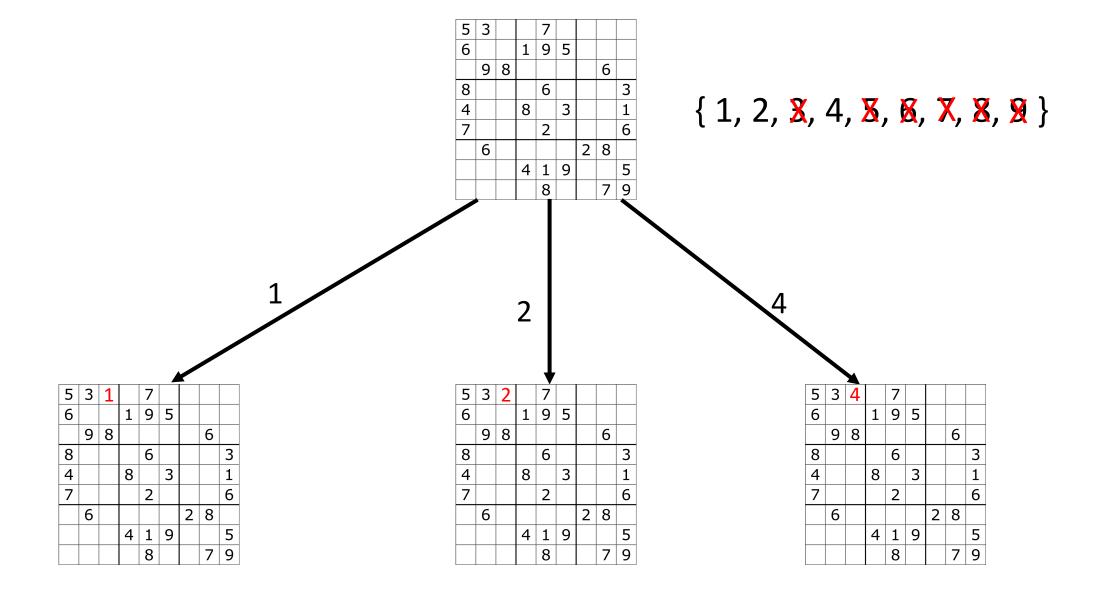
5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
8 4 7			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

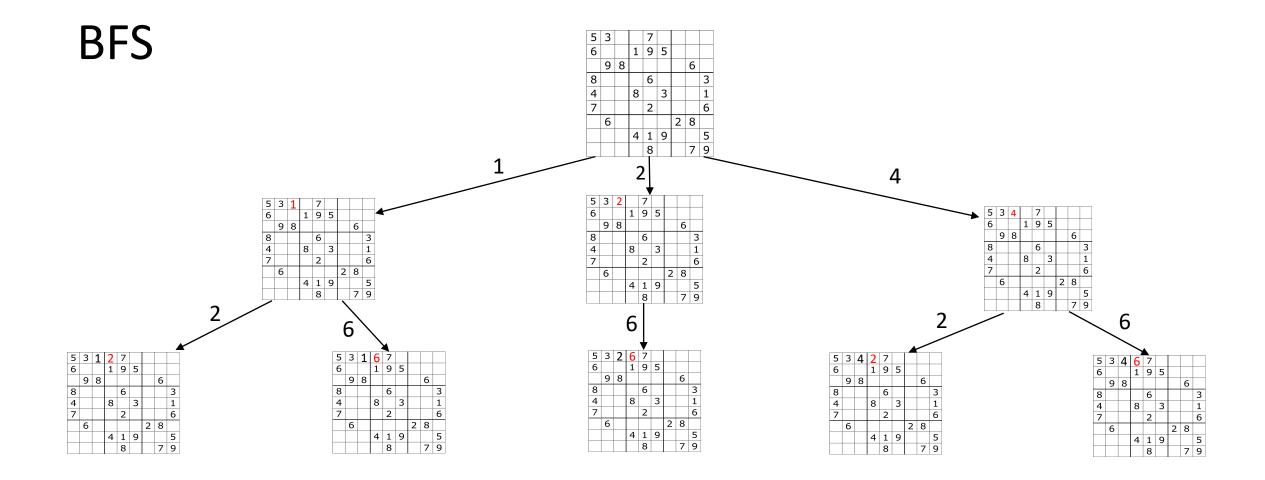
$$\{1-9\}$$
 = Action

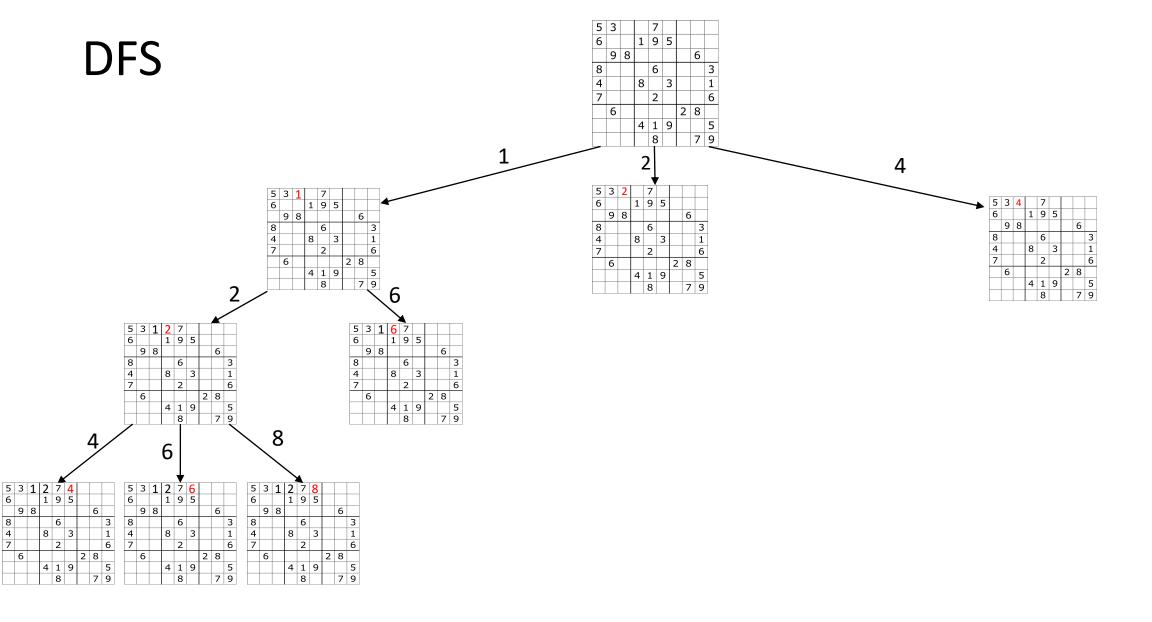
#### State + Action -> New State

5 6	3			7				
6			1	9	5			
	9	8					6	
8				6				3
8 4 7			8		3			1
7				2				6
	6					2	8	
			4	1	9			5 9
				8			7	9

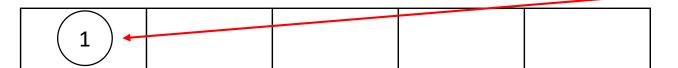
5	3	1		7				
6			1	9	5			
	9	8					6	
8				6				3
8 4 7			8		3			1
7				2				6
	6					2	8	
			4	1	9			5 9
				8			7	9

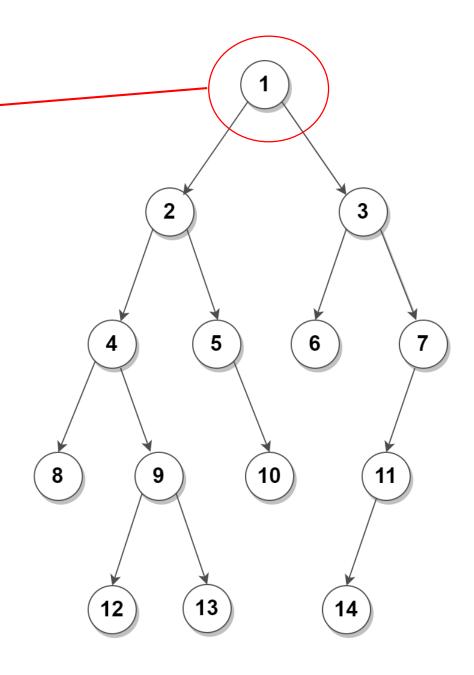




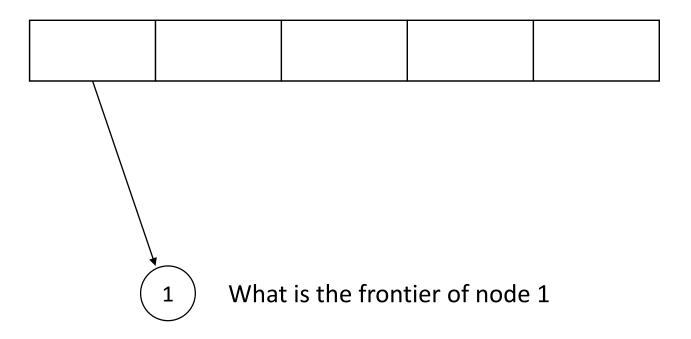


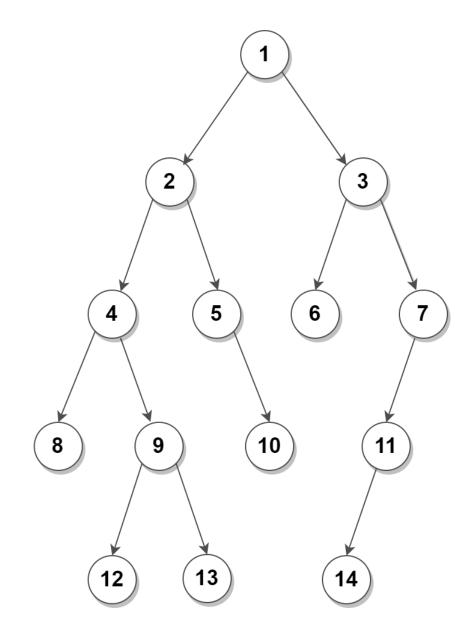
#### Queue -> Frontier





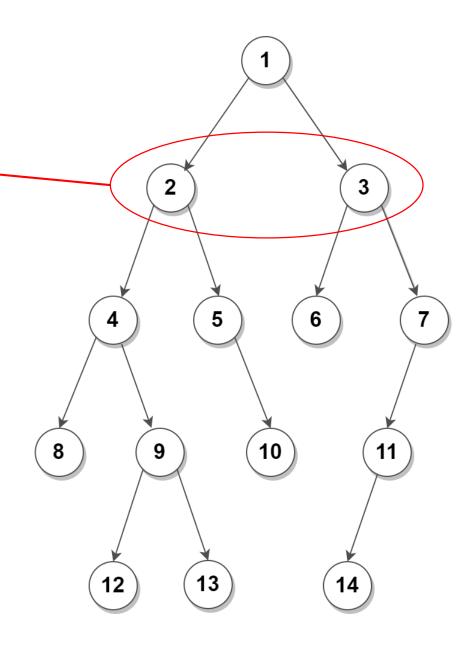
#### Queue -> Frontier

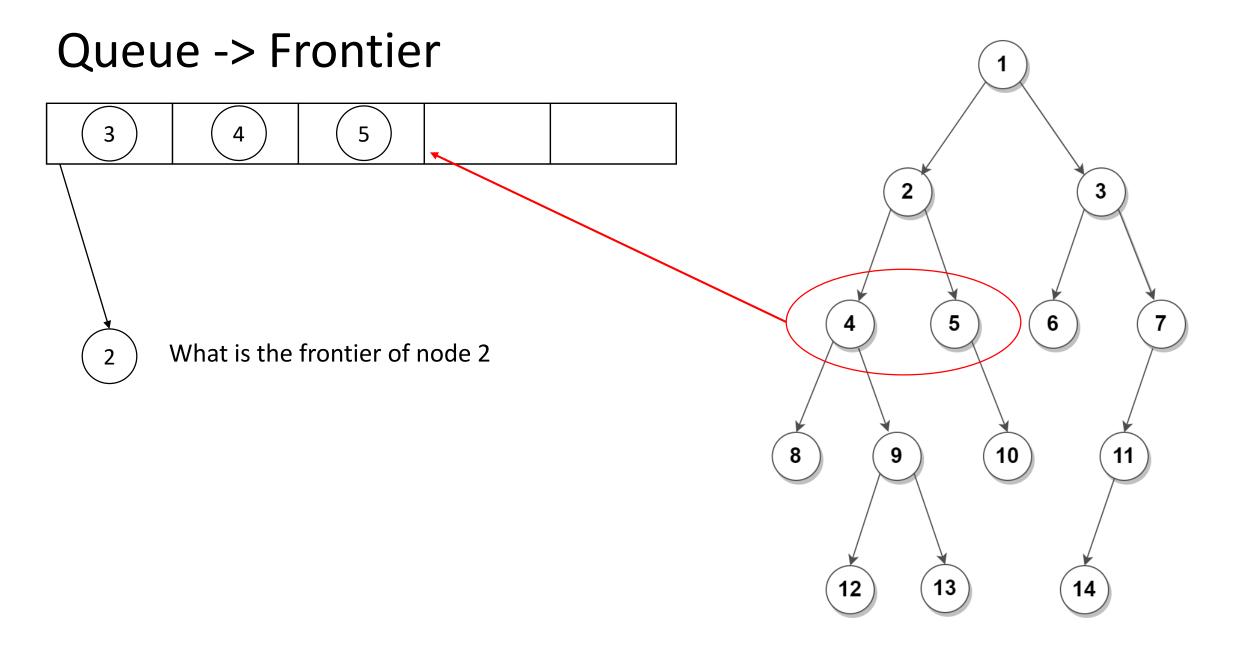


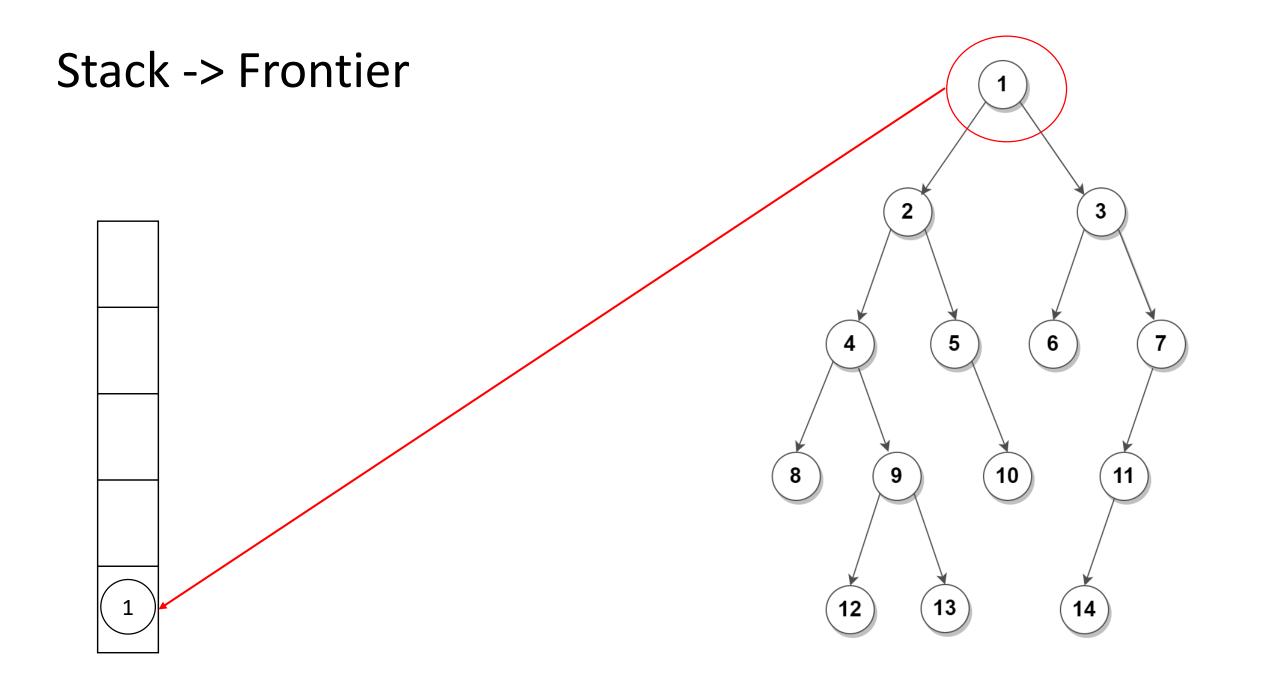


#### Queue -> Frontier

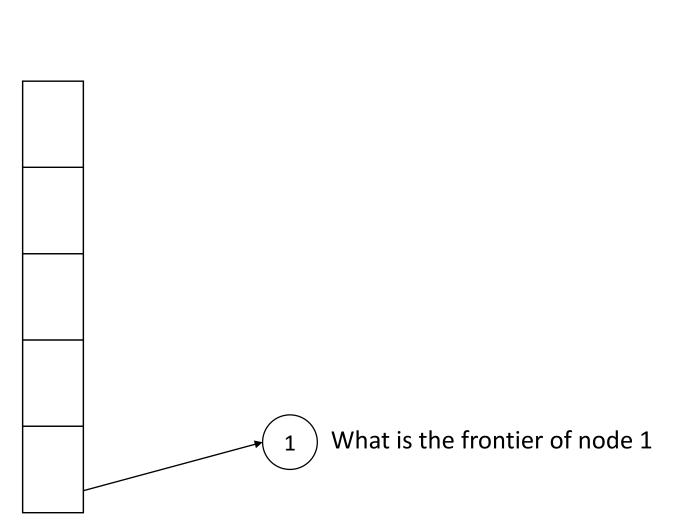


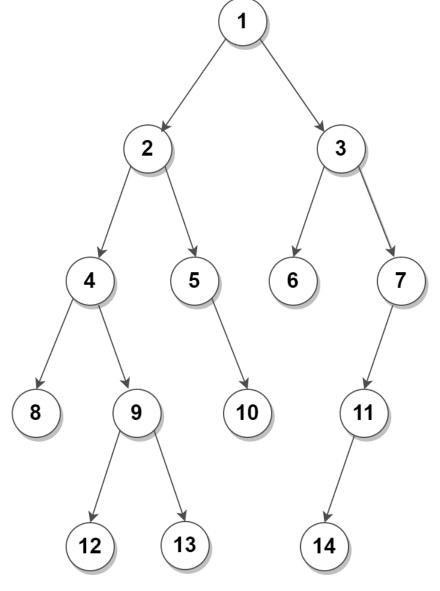


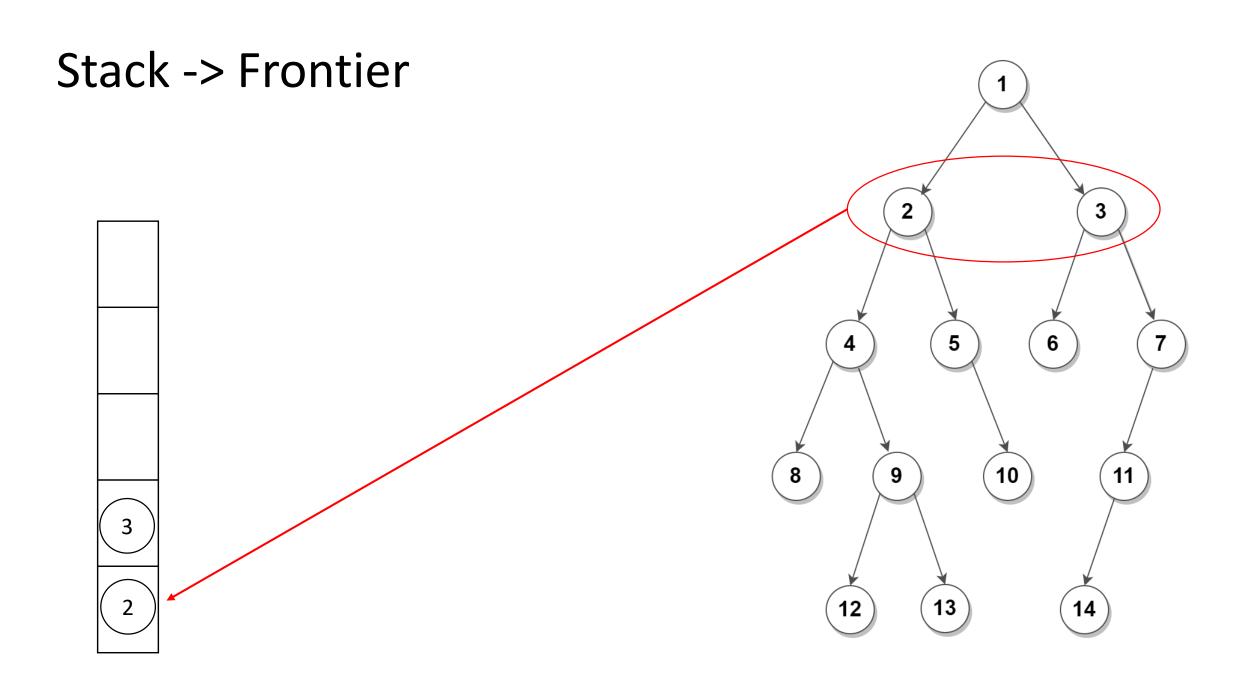




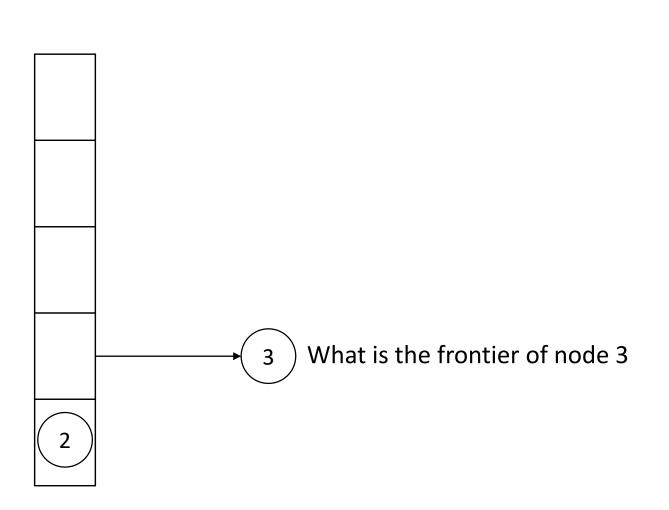
#### Stack -> Frontier

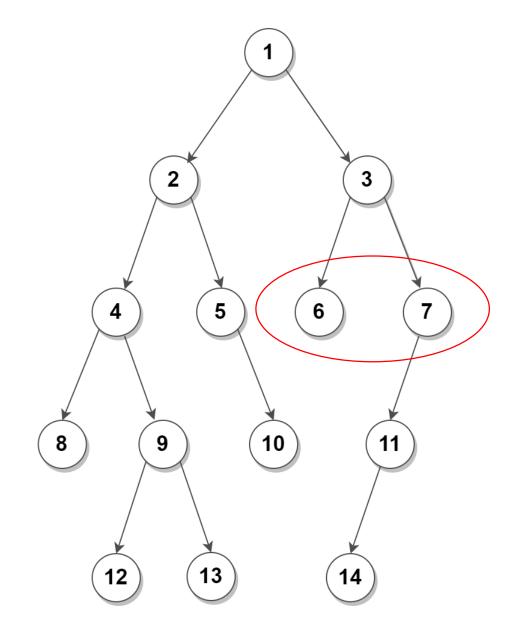






#### Stack -> Frontier





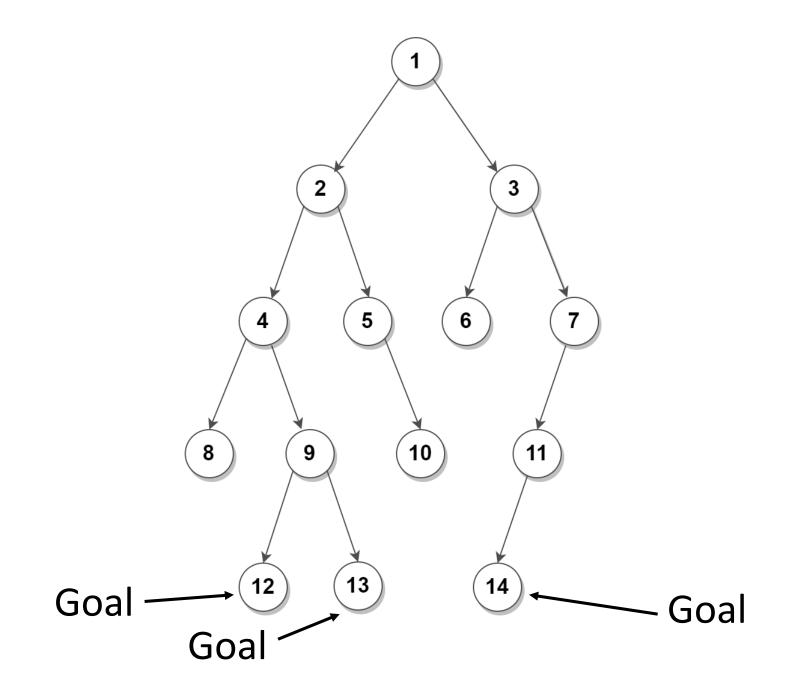
# Stack -> Frontier 11

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
8 4 7			8		3			1
7				2				6
	6					2	8	
			4	1	9			5 9
				8			7	9

### Goal?

Validation 
No empty

$\overline{}$			_			_		_
2	8	1	7	3	5	6	9	4
3	4	5	9	8	6	7	2	1
9	7	6	1	2	4	8	5	3
6	3	7	2	5	8	1	4	9
1	9	2	3	4	7	5	6	8
4	5	8	6	1	9	2	3	7
8	2	3	5	9	1	4	7	6
7	1	9	4	6	2	3	8	5
5	6	4	8	7	3	9	1	2



#### Demonstrate