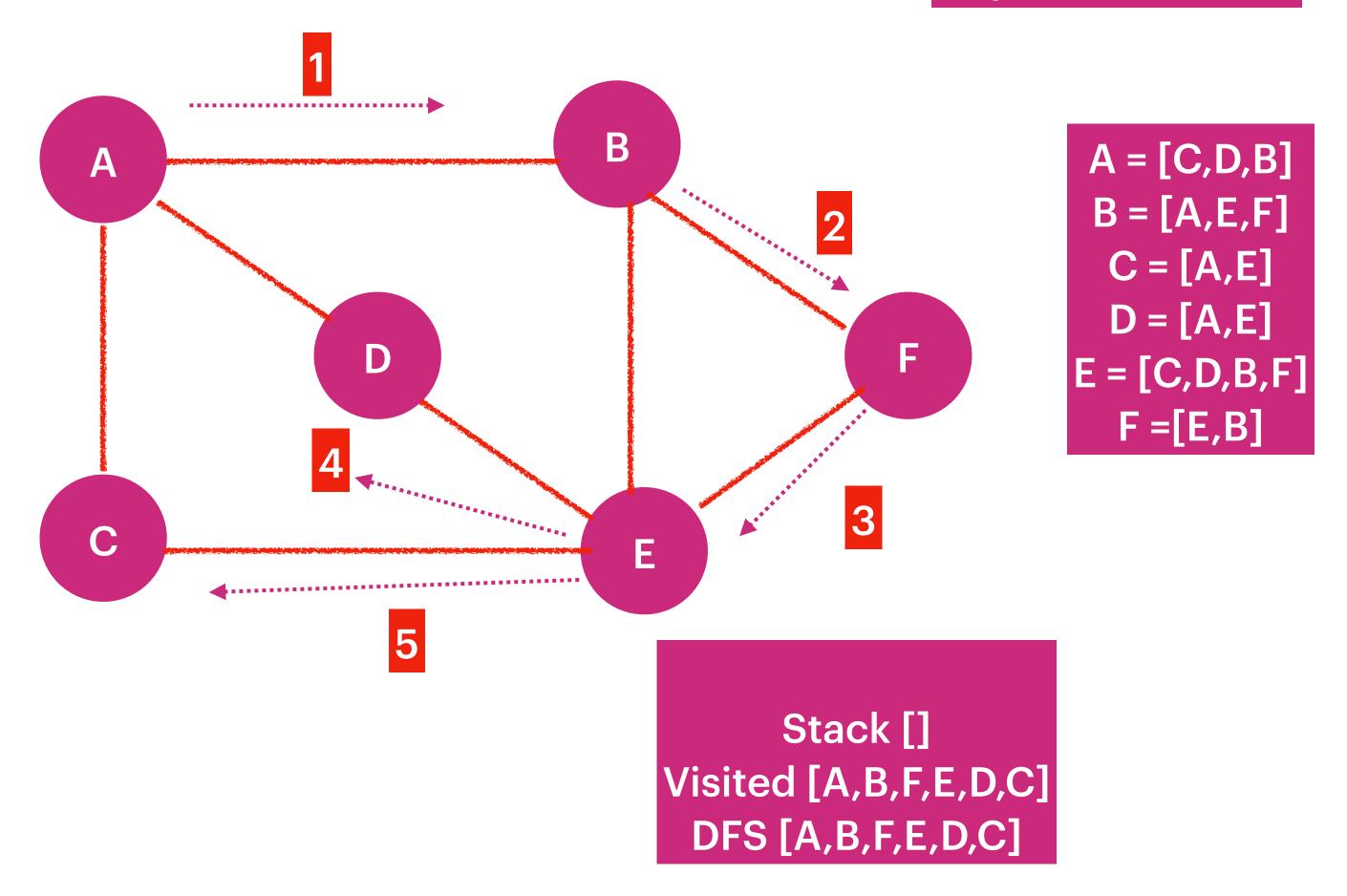
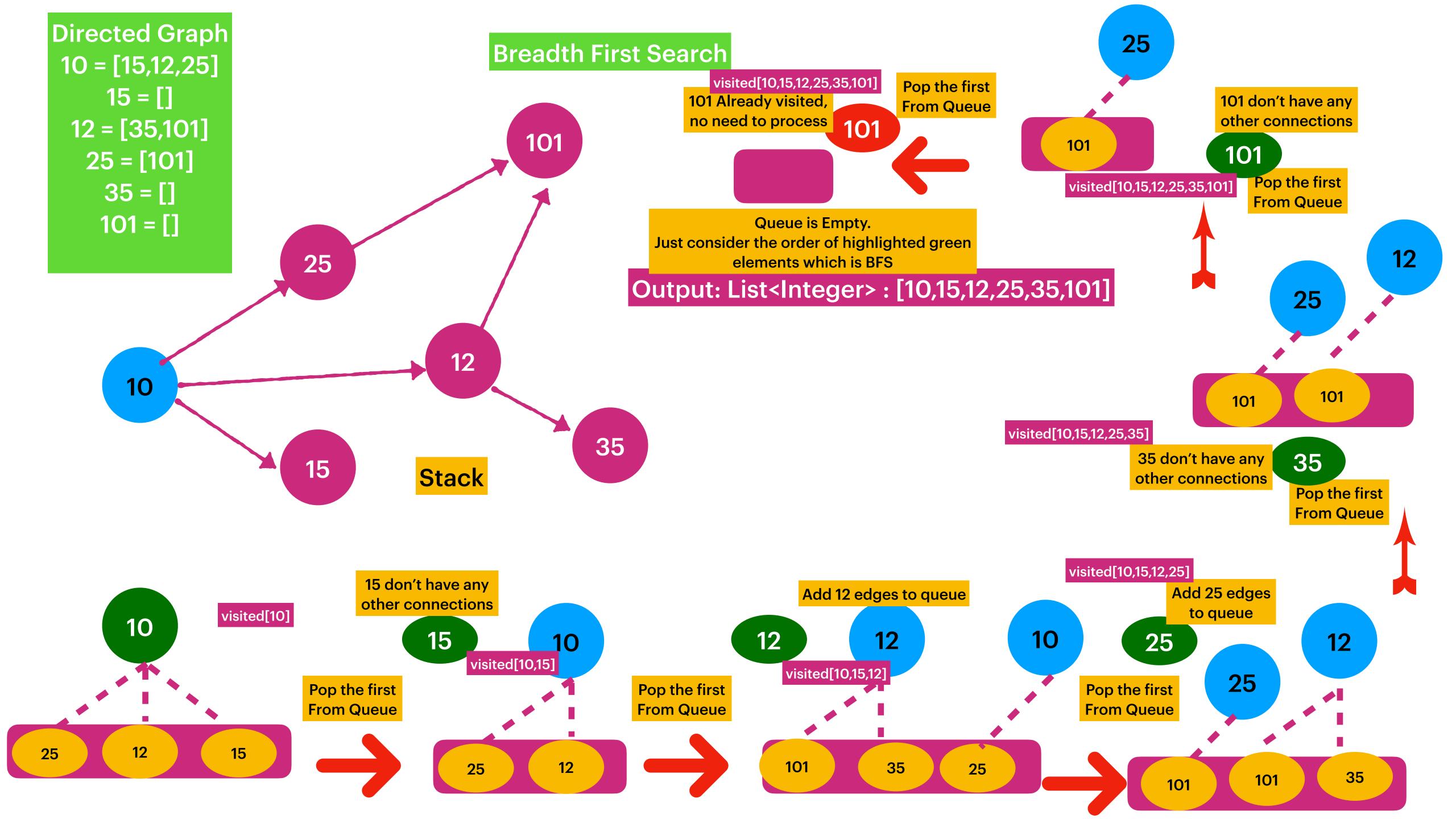
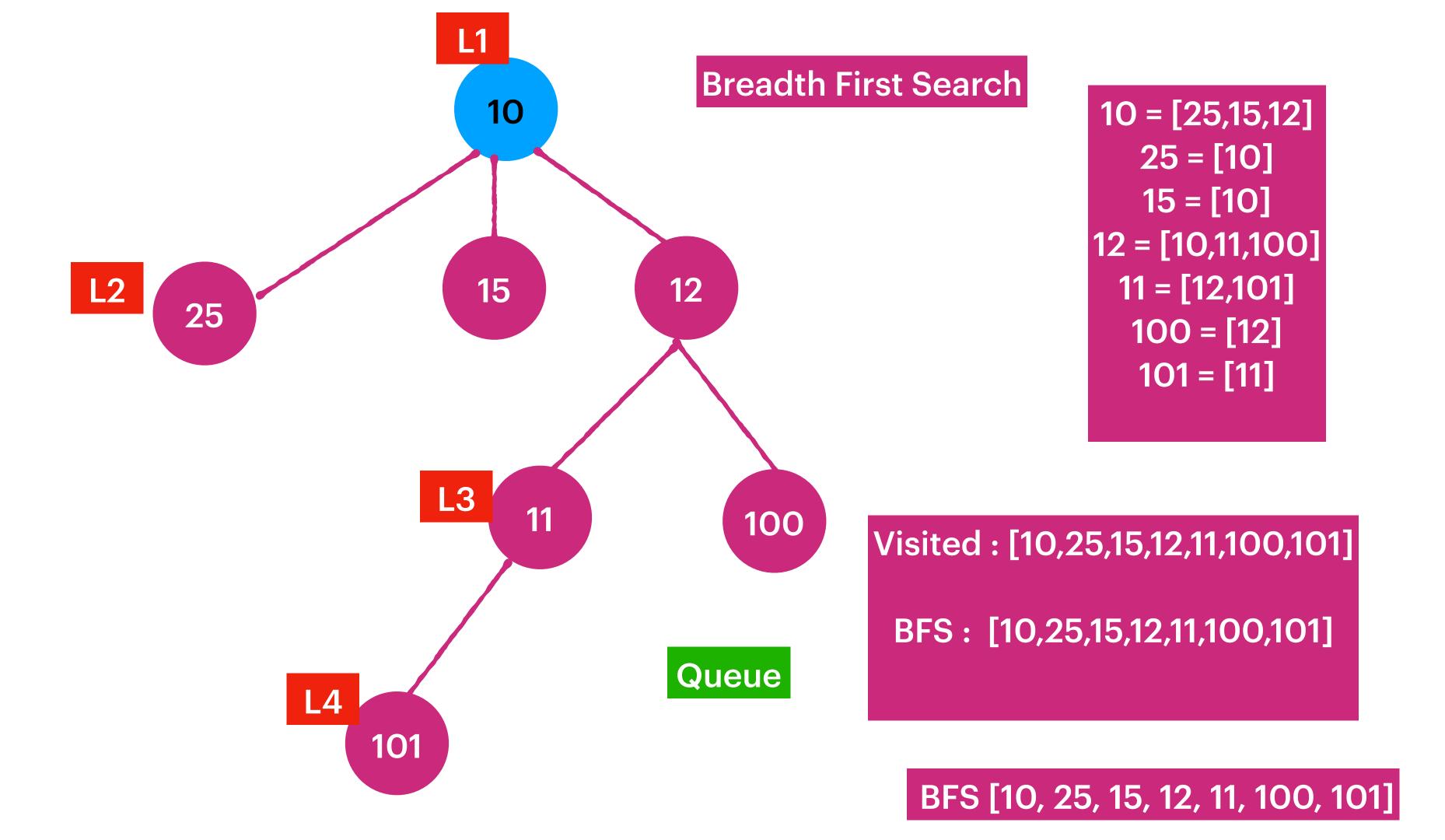
```
V(10) => [15,12,25]
                         V(25) => [10,101]
                         V(101) => [25,12]
                        V(12) => [10,101,35]
                           V(35) \Rightarrow [12]
                           V(15) => [10]
                             start:10
                          stack(v(10)):1
          v(10) => stack ([15,12,25]) = 3 : visited : [v(10)]
     v(25) => stack ([15,12,10,101]) = 2: visited : [v(10),v(25)]
v(101) => stack([15,12,10,25,12]) = 2 visited: [v(10),v(25), v(101)]
             v(12) => stack([15,12,10,25,10,101,35]) = 3
                        visited: [v(10),v(25), v(101),v(12)]
             V(35) => stack ([15,12,10,25,10,101,12]) = 1
                  visited: [v(10),v(25), v(101),v(12),v(35)]
                v(12) = 0 stack ([15,12,10,25,10,101]
                  v(101) = 0 \text{ stack } ([15,12,10,25,10])
                   v(10) = 0 stack ([15,12,10,25])
                     v(25) = 0 stack ([15,12,10])
                       v(10) = 0 \text{ stack } ([15,12])
                        v(12) = 0 stack ([15])
v(15) = 1 \text{ stack } ([10]) \text{ visited } : [v(10),v(25), v(101),v(12),v(35),v(15)]
  v(10) = Ostac([]) visited : [v(10),v(25), v(101),v(12),v(35),v(15)]
         numberOf.Connections(V) + Unique[Edges]
                        13V + 12(E) = V + E
```

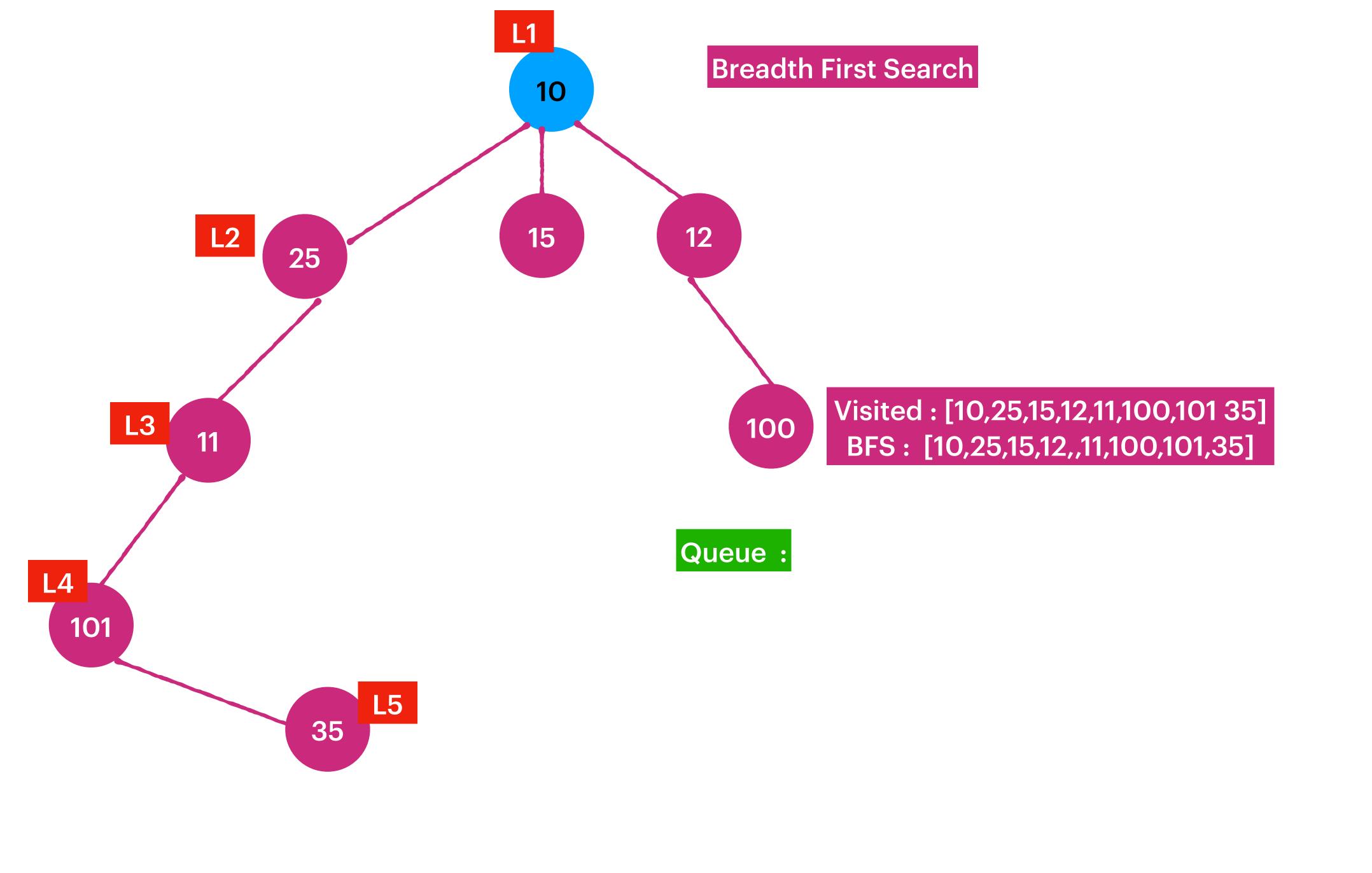
Analysis's Of DFS Time Complexity: O(V+E)

Depth First Search









Breadth First Search

