For both of these problems, assume there is a Node class. The node class will take in a value as part of its initialization. You will monkeypatching the following methods:

1. Write a method `bfs` that does a breadth-first search starting at a root node. It takes in a target, and a proc as an argument.

2. Write a method `dfs` that does a depth-first search starting at a root node. It takes in a target, and a proc as an argument.

```
Class Node
```

end

```
Def dfs(target, &prc)
    Return self if self.value == target
    self.children.each do |node|
        Result = node.dfs(target, &prc)
        Return result if result
    End
    nil
```

```
end
# Example usage:
# n1 = Node.new(1) # making a node with a value of 1
# n1.bfs(1) #=> n1
\# n1.dfs { |node| node.value == 1 } \# > n1 (found a node with value == 1)
class Node
# -- Assume nodes have a value, and a attr_reader on value
# -- Also, assume there are working parent/child-related methods for Node
def bfs(&prc)
  raise "Must give a proc or target" if prc.nil?
   queue = [self]
   until queue.empty?
     visited = queue.shift
     return visited if prc.call(visited)
     queue += visited.children
   end
  nil
 end
 def dfs(, &prc)
   raise "Must give a proc or target" if prc.nil?
   return self if prc.call(self)
   self.children.each do |node|
    result = node.dfs(target, &prc)
     return result if result
   end
  nil
 end
end
```