

```
public static Boolean compute(String input) {  
    input = input.toLowerCase();  
  
    if (input.contentEquals("n")) {  
        return false;  
    } else if (input.contentEquals("no")) {  
        return false;  
    }  
  
    if (input.contentEquals("y")) {  
        return true;  
    } else if (input.contentEquals("yes")) {  
        return true;  
    }  
  
    return null;  
}
```

The diagram shows a network of nodes and edges overlaid on the code. Nodes are represented by colored circles (purple, orange, yellow) and edges by colored lines (purple, orange, yellow). The nodes are distributed across the code, with a dense cluster of purple nodes at the top, orange nodes in the middle, and yellow nodes at the bottom. The edges connect these nodes, forming a complex web that likely represents a control flow graph or a dependency graph for the code.