

```
public static int compute(String string1, String string2) {  
    int x;  
    if (string1.length() < string2.length()) {  
        x = string1.length();  
    } else {  
        x = string2.length();  
    }  
    int result = 0;  
    for (int i = 0; i < x; i++) {  
        if (string1.charAt(i) == string2.charAt(i)) {  
            result++;  
        }  
    }  
    return result;  
}
```

The image displays a network graph overlaid on a Java code snippet. The graph consists of numerous nodes and edges. The nodes are colored in a gradient from dark purple to bright yellow. The edges are colored in a gradient from dark purple to bright yellow. The graph structure is complex, with many connections between nodes, suggesting a highly interconnected network. The nodes are distributed across the image, with a higher density in the upper left and middle sections. The edges form a dense web of connections, with some longer edges spanning across the code blocks. The overall appearance is that of a visualization of a complex system or data structure, possibly representing a code analysis or a network topology.