

```
public static String compute(String input) {  
    String a = "";  
    String b = "";  
    for (int i = input.length() - 1; i >= 0; i--) {  
        a = input.charAt(i) + a;  
        b = b + input.charAt(i);  
    }  
    return a + b;  
}
```

The diagram consists of numerous nodes represented by semi-transparent circles in shades of purple, orange, and yellow. These nodes are interconnected by a web of thin, semi-transparent lines in corresponding colors. The nodes are distributed across the image, with a high concentration in the left half, particularly around the loop and string manipulation lines. Some nodes are placed directly over the code text, while others are positioned in the margins. The edges connect nodes that appear to be related, such as nodes for the same variable (e.g., 'a', 'b', 'i') or related concepts (e.g., 'String', 'length', 'charAt').