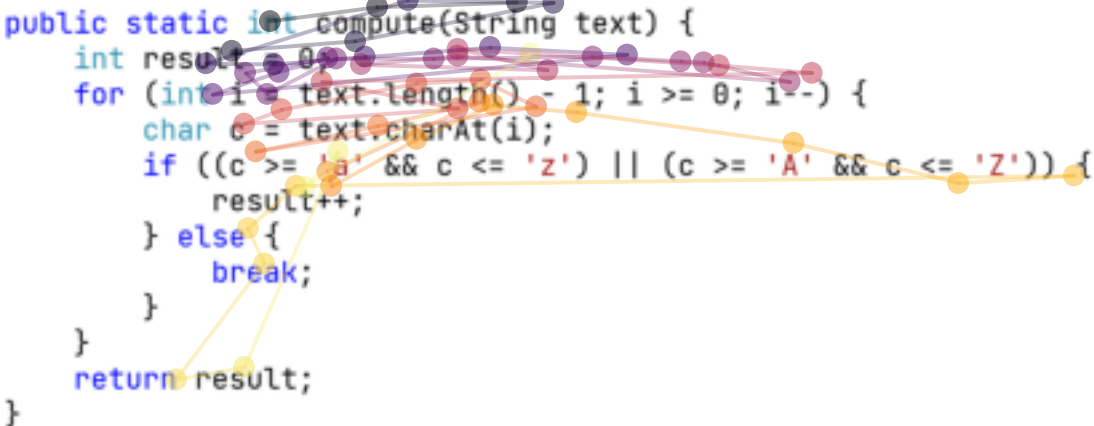


```
public static int compute(String text) {  
    int result = 0;  
    for (int i = text.length() - 1; i >= 0; i--) {  
        char c = text.charAt(i);  
        if ((c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z')) {  
            result++;  
        } else {  
            break;  
        }  
    }  
    return result;  
}
```



The image displays a control flow graph (CFG) overlaid on a Java code snippet. The CFG consists of nodes (colored circles) and edges (colored lines) representing the execution flow. The nodes are color-coded: purple for the entry and loop header, red for the loop body, yellow for the break and return paths, and orange for the conditional branch. The edges show the flow from the entry to the loop, from the loop body back to the header, from the break statement to the return statement, and from the loop completion to the return statement.