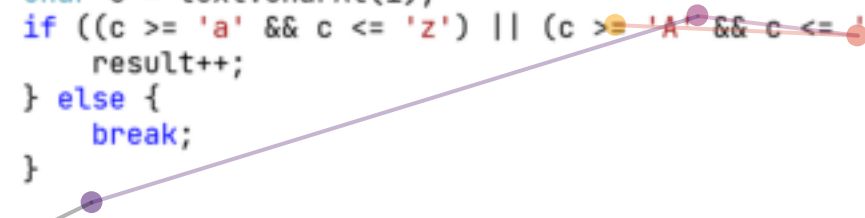


```
public static int compute(String text) {  
    int result = 0;  
    for (int i = text.length() - 1; i >= 0; i--) {  
        char c = text.charAt(i);  
        if ((c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z')) {  
            result++;  
        } else {  
            break;  
        }  
 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



The image displays a control flow graph overlaid on the provided Java code. The graph consists of four nodes connected by edges:

- Node 1 (Start):** A black dot located at the beginning of the `return result;` statement.
- Node 2 (Loop Header):** A purple dot located at the start of the `for` loop's opening curly brace.
- Node 3 (Loop Body):** A purple dot located at the start of the `if` statement.
- Node 4 (Exit):** An orange dot located at the end of the `if` statement's body.

The edges represent the flow of execution:

- A straight edge connects **Node 1** to **Node 2**.
- A curved edge connects **Node 2** to **Node 3**.
- A curved edge connects **Node 3** to **Node 4**.
- A long curved edge connects **Node 4** back to **Node 2**, representing the loop's continuation.