

A network diagram is overlaid on the code. It consists of numerous circular nodes in various colors (purple, yellow, orange, red, grey) connected by thin lines of corresponding colors. The nodes are distributed across the image, with a higher density in the upper and middle sections, and some lines extending towards the bottom right.

```
public static String compute(String input) {  
    String s1 = "";  
    for(int i = 0; i < input.length(); i++){  
        if(i%2 == 1){  
            s1 = s1 + input.charAt(i);  
        }  
    }  
    return s1;  
}
```