

The image displays a network diagram with nodes and edges overlaid on a Java code snippet. The nodes are represented by colored circles (purple, orange, yellow, and grey) and are connected by lines (edges) in various colors (orange, red, purple, and grey). The code is as follows:

```
public static boolean compute(int input) {  
    Boolean flag = true;  
    for(int i = 2; i <= input/2; i++){  
        if(input%i == 0){  
            flag = false;  
        }  
    }  
    return flag;  
}
```