

```
public static int compute(int a, int b) {  
    int result = a * b;  
    for(int i = 1; i < a * b; i++){  
        if(i % a == 0 && i % b == 0){  
            result = i;  
            break;  
        }  
    }  
    return result;  
}
```

The image displays a network graph overlaid on a Java code snippet. The graph consists of numerous nodes, represented by semi-transparent colored circles in shades of purple, orange, yellow, and grey. These nodes are interconnected by a web of thin, semi-transparent lines in corresponding colors. The nodes are distributed across the code, with a high concentration in the loop body and the initialization of the 'result' variable. The background code is a Java method named 'compute' that calculates the least common multiple (LCM) of two integers 'a' and 'b'. The code is color-coded: keywords like 'public', 'static', 'for', 'if', 'break', 'return', and 'int' are in blue, while variable names and literals are in black or grey.