

```
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 diagram illustrates a network of nodes and edges overlaid on the code. The nodes are represented by colored circles (orange, yellow, purple, grey) and the edges by colored lines (orange, purple, grey). The network shows relationships between variables and expressions in the code, such as the connection between 'a' and 'a * b' or between 'i' and 'i%a'.