



The image shows a network diagram with nodes and edges overlaid on a code snippet. The nodes are represented by colored circles in shades of purple, orange, yellow, and red. The edges are thin lines connecting these nodes, forming a complex web. The code is as follows:

```
public static int power(int base, int exponent) {  
    int result = base;  
    for (int i = 2; i <= exponent; i++) {  
        result = result * base;  
    }  
    return result;  
}
```