

```
public static int power(int base, int exponent) {  
    if (exponent == 0) {  
        return 1;  
    }  
  
    if (exponent == 1) {  
        return base;  
    }  
  
    return base * power(base, exponent - 1);  
}
```

The diagram illustrates the recursive call stack for the `power` function. Nodes are represented by colored circles: yellow for the initial call and return, orange for intermediate recursive calls, and purple for the base cases. Lines connect the nodes to show the flow of execution. A vertical line of yellow nodes on the left represents the return path from the base cases up to the initial call. A horizontal line of orange nodes at the bottom represents the sequence of recursive calls from the initial call down to the base cases. A diagonal line connects the initial yellow node to the first orange node, representing the first recursive call.