

The diagram illustrates the recursive function `power` with the following code:

```
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 uses colored circles and lines to trace the execution flow:

- Red circles:** Highlight the initial call to `power` and the return value of the base case (`1`).
- Orange circles:** Highlight the recursive call `power(base, exponent - 1)` and the return value of the recursive call.
- Purple circles:** Highlight the return value of the function call.
- Grey circles:** Highlight the function signature and the closing brace of the function.
- Lines:** Connect the circles to show the flow of control and data between function calls and returns.