

```
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 execution flow of the recursive function `power`. It shows a sequence of function calls and returns, represented by colored circles (red, orange, purple, yellow) connected by lines. The flow starts from the bottom (return base \* power(base, exponent - 1);) and moves upwards through the recursive calls, eventually reaching the base case (if (exponent == 0) { return 1; }). The diagram shows the sequence of function calls and returns, with lines connecting the 'return' statement of one call to the caller's context.