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compute  $x^n$  for a positive integer  $n$ .

```
public class Test {
    public static void main (String [] args) {
        System.out.print( xToTheN(x, n));
    }

    public static int xToTheN (int x, int n) {
        if (n == 0) { } base case
            return 1;
        return x * Math.pow(x, n - 1);
    }
}
```