```java
/**
 * Reverses ("flips") {@code this}.
 *
 * @updates this
 * @ensures this = rev(#this)
 */
public void flip2() {
    if (this.length() > 0) {
        T x = this.dequeue();
        flip2(this);
        this.enqueue(x);
    }
}




/**
 * Reverses ("flips") {@code this}.
 *
 * @param <T>
 *
 * @updates this
 * @ensures this = rev(#this)
 */
public static <T> void flip2(Queue<T> q) {
    if (q.length() > 0) {
        T x = q.dequeue();
        flip2(q);
        q.enqueue(x);
    }
}
```

TATACAT
AGCTGTTTTCGTT
CACTCCATTTTA
CATTTTAGCTGTT
TTTCGTTATACAT
CTGTTTTCGTTA

TTTCGTTATACAT and TATACAT = TTTCGTTATACAT

AGCTGTTTTCGTT
CACTCCATTTTA
CATTTTAGCTGTT
TTTCGTTATACAT
CTGTTTTCGTTA

CTGTTTTCGTTA and TTTCGTTATACAT = CTGTTTTCGTTATACAT

AGCTGTTTTCGTT
CACTCCATTTTA
CATTTTAGCTGTT
CTGTTTTCGTTATACAT

CTGTTTTCGTTATACAT + CATTTTAGCTGTT = CTGTTTTCGTTATACATTTTAGCTGTT

AGCTGTTTTCGTT
CACTCCATTTTA
CTGTTTTCGTTATACATTTTAGCTGTT

CTGTTTTCGTTATACATTTTAGCTGTT + AGCTGTTTTCGTT =
CTGTTTTCGTTATACATTTTAGCTGTTTTCGTT

FINAL TWO STRINGS
CACTCCATTTTA
CTGTTTTCGTTATACATTTTAGCTGTTTTCGTT