```
/**
 * Computes the remainder of the
 * Euclidean devision of a by b. In
 * contrast to the Java version a % b,
 * the output will always be positive.
 * Throws ArithmeticException when b is
   equal to 0.
 *
 * (The goal of this example is not to
   create an efficient implementation,
   but to illustrate coverage.)
 *
 * @param a dividend
 * @param b divisor != 0
 * @return remainder r with 0 <= r < b
 */
public static int modulo(int a, int b) {
    if (b < 0) {
                               // 1
        b *= -1:
                               // 2
    int m = a;
    while (m < 0 | | m > b) \{ // 4 \}
        m += m < 0 ? b : -b; // 5
    return m;
```