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* 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) {
       b *= -1:
    int m = a;
   while (m < 0 \mid | m > b) \{ // 4 \}
       m += m < 0 ? b : -b; // 5
                              // 6
   return m;
```