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// com/github/sahasatvik/math/UnmatchedBracketsException.java

package com.github.sahasatvik.math;

/**
 * Exception thrown when an expression passed to ExpressionParser has unmatched
 * brackets.
 *
 * @author Satvik Saha
 * @version 1.0, 16/10/2016
 * @see com.github.sahasatvik.math.ExpressionParserException
 * @since 1.0
 */

public class UnmatchedBracketsException extends ExpressionParserException {
    private int pos;

    /**
     * Constructor of UnmatchedBracketsException.
     *
     * @param faultyExpression the expression which could not be parsed
     * @param pos the index of the unmatched bracket
     * @since 1.0
     */

    public UnmatchedBracketsException (String faultyExpression, int pos) {
        super(faultyExpression);
        this.pos = pos;
    }

    /**
     * Gets the index of the unmatched bracket.
     *
     * @return the index of the unmatched bracket
     * @since 1.0
     */

    public int getIndexOfBracket () {
        return pos;
    }
}
```