```java
import java.io.* ;
import java.util.* ;

class ParserDemo
{
        // Variablen

        public static String t = new String("( 3 + 5 ) * 4") ;

        public String aktString[] = new String[21] ;


        // Sequenz segmentieren

        ParserDemo (String s)
        {
                analysiereSequenz (s) ;
        }

        public static boolean id (String s)
        {
                if ( s.equals ("3") || s.equals ("4") || s.equals ("5")) {return true;} return false ;
        }

        public static boolean expression (String s)
        {
                if ( s.equals ("id")) {return true;} return false ;
        }

        public int lies ( String t)
        {

                StringTokenizer sT = new StringTokenizer (t) ;

                int i = 0 ;

                // System.out.println ( "" + t + "<amlesen" ) ;

                while ( sT.countTokens() > 0 )
                {
                        aktString[i] = sT.nextToken () ;
                        System.out.println ( aktString[i] + ", " + i + ", " + sT.countTokens() ) ;
                        i++ ;
                }

                return sT.countTokens() ;
        }


        // Teilsequenzen analysieren

        public int analysiereSequenz (String t)
        {
                int i = lies (t) ;

                System.out.println ("liest: " + aktString [0] ) ;

                System.out.println ("sucht: (E)" ) ;

                i++;
                t = aktString [i] ;
```

```java
System.out.println ("liest: " + t) ;

if ( id (aktString[i]))
{
        System.out.println ("erkannt: id") ;

        if ( expression ("id"))
        {
                System.out.println ("erkannt: E" ) ;
        }

        i++;
        t = aktString [i] ;
        System.out.println ("liest: " + t) ;

        if ( aktString[i].equals("+") )
        {
                System.out.println ("sucht:  E+E") ;

                i++;
                t = aktString [i] ;

                System.out.println ("liest: " + t) ;

                if ( id (aktString[i]))
                {
                        System.out.println ("erkannt: id" ) ;

                        if ( expression ("id"))
                        {
                                System.out.println ("erkannt: E" ) ;


                        System.out.println ("erkannt: E+E" ) ;


                        i++;
                        t = aktString [i] ;

                        System.out.println ("liest: " + t) ;

                        if ( aktString[i].equals("\u0029"))
                        {
                                System.out.println ("erkannt: (E+E)" ) ;
                                System.out.println ("erkannt: (E)" ) ;
                                System.out.println ("erkannt: E" ) ;

                        }
                }
        }
    }
}


i++ ;
t = aktString[i] ;

System.out.println ("liest: " + t) ;

if ( aktString[i].equals("*"))
```

```java
        {
                System.out.println ("sucht: E*?" ) ;

                i++ ;
                t = aktString[i] ;

                if ( id (aktString[i]))
                {
                        System.out.println ("erkannt: id" ) ;

                                if ( expression ("id"))
                                {
                                        System.out.println ("erkannt: E" ) ;

                                        System.out.println ("erkannt: E*E" ) ;
                                        System.out.println ("erkannt: E" ) ;
                                        return 1 ;
                                }
                }
        }
        return 0 ;
}

public static void main (String args[])
{
        ParserDemo pd = new ParserDemo (t) ;
}
}
```