CKY Tests:

Code

```
Main.java
                    public static void customLode() {

// You can write your own custom code here and run it with option 3.

// Good for testing your code works!

// Any code here is totally informal and does not count towards your submission.
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                       // Below is the kind of code you might want to write to test your parser
                       ContextFreeGrammar cfg = MyGrammar.makeGrammar();
                      36
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                       System.out.println(" : "+CurrentTime);
CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println("1+0 : "+parser.isInLanguage(cfg, new Word("1+0")));
System.out.println(" : "+CurrentTime);
    41
42
43
44
                        Currentiame = System.currentiamentias():5\tartime;
System.out.println("01 : "-parser.isInLanguage(cfg, new Word("01")));
CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println(" : "+CurrentTime);
System.out.println("*-* : "+parser.isInLanguage(cfg, new Word("*-*")));
    45
46
47
                                                                                                                       "+parser.isInLanguage(cfg, new Word("*-*")));
    48
    49
                        CurrentTime = System.currentTimeMillis()-StartTime;
                        System.out.println("
System.out.println("1*-0 :
                                                                                                                      "+parser.isInLanguage(cfg, new Word("1-*0"))) ctivate Windows
                       CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println("
                                                                                                                                                          : "+CurrentTime);
                    CurrentTime = System.currentTimeMillis()-StartTime;

System.out.println(""-0*-1+0*-1: "+parser.isInLanguage(cfg, new Word("1*-0*-1+0*-1")));

CurrentTime = System.currentTimeMillis()-StartTime;

System.out.println("0+-1*-0+1*1: "+parser.isInLanguage(cfg, new Word("0+-1*-0+1*1")));

CurrentTime = System.currentTimeMillis()-StartTime;

System.out.println("0+-1*-0+1*1: "+parser.isInLanguage(cfg, new Word("0+-1*-0+1*1")));

CurrentTime = System.currentTimeMillis()-StartTime;

System.out.println(" : "+CurrentTime);
 63
64
65
66
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                     CurrentTime = System.currentTimeMilis()-StartTime;
System.out.println("
System.out.println("1*0+-1+0*1 : "+parser.isInLanguage(cfg, new Word("1*0+--1+0*1")));
CurrentTime = System.currentTimeMilis()-StartTime;
System.out.println("
System.out.println("1*0+0-1+1*0+-0 : "+parser.isInLanguage(cfg, new Word("1*0+0-1+1*0+-0")));
CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println(" : "+CurrentTime);
                                                                                                                                                         : "+CurrentTime);
 70
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                      parser.generateParseTree(cfg, new Word("1+0")).print();
CurrentTime = System.currentTimeMillis()-StartTime;
                                                                                                                                                        : "+CurrentTime);
                      System.out.println("
                     System.out.println("
parser.generateParseTree(cfg, new Word("01")).print();
CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println("
parser.generateParseTree(cfg, new Word("*-*")).print();
CurrentTime = System.currentTimeMillis()-StartTime;
  82
  83
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90
                                                                                                                                                         : "+CurrentTime);
                      System.out.println("
                                                                                                                                                         : "+CurrentTime);
                      parser.generateParseTree(cfg, new Word("1-*0")).print();
                      CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println("
parser.generateParseTree(cfg, new Word("1+1-0")).print();
CurrentTime = System.currentTimeMillis()-StartTime;
                                                                                                                                                         : "+CurrentTime);
  91
92
93
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96
97
                     CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println("
panser.generateParseTree(cfg, new Word("1+1*-0")).print();
CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println("
:
panser.generateParseTree(cfg, new Word("1+x*-0")).print();
CurrentTime = System.currentTimeMillis()-StartTime;
System.out.println("
:
                                                                                                                                                         : "+CurrentTime);
                                                                                                                                                                "+CurrentTime);
 98
99
100
101
102
```

: "+CurrentTime);

Output

```
Demo the code
Run simple tests on Parser.java
Run custom code (see the code for Main.java)
Quit
 Processing... 0.0%
Processing... 0.0%
Processing... 100.0%
No tree exists for 1-*0
                                                           : 1146
 (Press enter to continue...)
```