ACL2s Mode

```
1 (time$ (thm (implies (and
2 (booleanp '12)
3 (booleanp '1)
4 (booleanp '2)
5 (booleanp '3)
6 (booleanp '4)
7 (booleanp '5)
8 (booleanp '6)
9 (booleanp '7)
10 (booleanp '8)
11 (booleanp '9)
12 (booleanp '10))
13 (and (or (not '4) (not '2) (not '9) (not '8) '12 (not '12))
14 (or '4 '3 '10 (not '9) '12)
15 (or (not '4) (not '3) (not '2) (not '9) (not '12))
16 (or (not '4) '9 (not '8) '7 (not '12) (not '12))
17 (or '5 (not '4) '10 (not '9) '7 '12 '12 '12)
18 (or '3 '2 '8 '7)
19 (or '2 (not '7) '12)
20 (or '5 (not '8) (not '7) (not '12) '12 (not '12))
21 (or '4 (not '2) '10 '8 '12)
22 (or '2 '7 (not '12))
23 (or '5 (not '3) (not '9) (not '8) '12 (not '12) (not '12))
24 (or (not '5) '10 '8 '7 '12)
25 (or (not '4) '3 '10 (not '8) (not '12))
26 (or (not '5) '4 '3 '2 '10 '12)
27 (or '4 '3 (not '10) (not '7) (not '12))
28 (or (not '4) '10 (not '8) (not '7) '12 '12 (not '12))
29 (or (not '2) (not '9) '7 (not '12) '12)
30 (or (not '5) '9 '8 '7 (not '12))
```

Ready for command input ACL2s Mode

```
          (OR 4 3 2 (NOT 9) 12)
          (OR 9 8 (NOT 12) (NOT 12))
          (OR (NOT 4) (NOT 10) (NOT 9) (NOT 8) 12)
          (OR (NOT 5)
              (NOT 4)
              3 10 9 (NOT 7)
              (NOT 12)
              (NOT 12)
              (NOT 12))
          (OR 5 (NOT 4) 9 8 12)
          (OR (NOT 4) 10 8 12)
          (OR 4 (NOT 3) (NOT 2) 9 (NOT 12))
          (OR 5 3 (NOT 10) 12)
          (OR (NOT 4) (NOT 3) (NOT 2) 12 12)
          (OR 4 9 (NOT 12) 12 12)
          1 (OR (NOT 5) 4 (NOT 2) (NOT 10) 9 12)
          (OR 3 8)
          6
          (OR 4 (NOT 3)
              7 (NOT 12)
              (NOT 12)
              (NOT 12))
          (OR 4 (NOT 3) (NOT 2) (NOT 9) 8 7 12)))
evaluates to T. Nothing to test!

Proof succeeded.
; (ACL2::EV-REC ACL2::*RETURN-LAST-ARG3* ...) took
; 0.03 seconds realtime, 0.03 seconds runtime
; (454,704 bytes allocated).
ACL2S !>
```

ACL2s Mode

```
1 (time$ (thm (implies (and
2 (booleanp '11)
3 (booleanp '1)
4 (booleanp '2)
5 (booleanp '3)
6 (booleanp '4)
7 (booleanp '5)
8 (booleanp '6)
9 (booleanp '7)
10 (booleanp '8)
11 (booleanp '9)
12 (booleanp '10))
13 (and (or '5 (not '4) '11 '10 (not '8))
14 (or '6 '5 '11)
15 (or (not '6) '4 '10 (not '9) '8)
16 (or (not '6) '5 '10 '8)
17 (or (not '6) '11 '10 '9)
18 (or '5 (not '4) (not '11) '8)
19 (or '6 '3 (not '10) '9)
20 (or (not '6) '5 '4 '3 (not '9))
21 (or '5 '2 (not '11) (not '10))
22 (or '7)
23 (or '6 '5 '4 '11 '10)
24 (or (not '6) (not '4) (not '2) (not '10) '9)
25 (or '4 '3 '10 (not '8))
26 (or '5 '11)
27 (or '6 (not '5) (not '4) '2 (not '10) '9)
28 (or (not '6) '11 '10)
29 (or (not '5) '4 (not '3) (not '11) (not '9))
30 (or '6 '4 (not '3) (not '2) '10 (not '9) (not '8))
```

Ready for command input ACL2s Mode

```
          (OR 6 3 2 (NOT 10))
          (OR (NOT 6) 5 (NOT 11) (NOT 8))
          (OR (NOT 6)
              (NOT 5)
              4 (NOT 10)
              (NOT 9)
              8)
          (OR 5 3 2 10 8)
          (OR 11 10 9 8)
          (OR (NOT 6) (NOT 5) (NOT 4) (NOT 3) 8)
          (OR 5 (NOT 4) 3 11 (NOT 8))
          (OR (NOT 5) (NOT 11) (NOT 10) (NOT 9))
          (OR 6 5 4 2 10 9)
          (OR (NOT 6) 5 (NOT 4) 3 (NOT 2))
          (OR 6 11 10 9)
          (OR (NOT 5)
              4 (NOT 3)
              2 11 (NOT 10)
              (NOT 9))
          (OR (NOT 4) (NOT 3) (NOT 2) (NOT 10))
          (OR 8 9 10 11)
          (OR 5 4 11 10)
          (OR (NOT 6) (NOT 5) (NOT 10) 9)))
evaluates to T. Nothing to test!

Proof succeeded.
; (ACL2::EV-REC ACL2::*RETURN-LAST-ARG3* ...) took
; 0.02 seconds realtime, 0.02 seconds runtime
; (329,760 bytes allocated).
ACL2S !>
```

Panel 1 (top-left): *test-factor-3.lisp — ACL2s Mode

```
1 (time$ (thm (implies (and
2 (booleanp '44)
3 (booleanp '45)
4 (booleanp '46)
5 (booleanp '47)
6 (booleanp '48)
7 (booleanp '49)
8 (booleanp '50)
9 (booleanp '51)
10 (booleanp '52)
11 (booleanp '53)
12 (booleanp '54)
13 (booleanp '10)
14 (booleanp '55)
15 (booleanp '11)
16 (booleanp '12)
17 (booleanp '56)
18 (booleanp '57)
19 (booleanp '13)
20 (booleanp '58)
21 (booleanp '14)
22 (booleanp '59)
23 (booleanp '15)
24 (booleanp '18)
25 (booleanp '19)
26 (booleanp '1)
27 (booleanp '2)
28 (booleanp '3)
29 (booleanp '4)
30 (booleanp '5)
```

Panel 2 (top-right): *test-factor-3.lisp.a2s — Ready for command input ACL2s Mode

```
        (OR 37 34 (NOT 45) 53 (NOT 52) (NOT 51))
        (OR 36 30 (NOT 42) 49 (NOT 47))
        (OR 34 (NOT 44)
            (NOT 40)
            55 51 50 47 (NOT 46))
        (OR 60 58 18 72 (NOT 70))
        (OR 62 56 (NOT 20)
            (NOT 19)
            (NOT 18)
            (NOT 74))
        (OR (NOT 36)
            (NOT 34)
            (NOT 32)
            (NOT 45)
            38 (NOT 50)
            (NOT 47))
        (OR (NOT 30) (NOT 5))
        (OR 43 (NOT 45))
        (OR (NOT 32)
            (NOT 45)
            44 55 54 50 (NOT 49)
            (NOT 46))
        (OR (NOT 46) (NOT 22) (NOT 56))))
evaluates to T. Nothing to test!

Proof succeeded.
; (ACL2::EV-REC ACL2::*RETURN-LAST-ARG3* ...) took
; 0.79 seconds realtime, 0.23 seconds runtime
; (3,429,776 bytes allocated).
ACL2S !>
```

Panel 3 (middle-left): test-factor-3.lisp — ACL2s Mode (with Save Resources dialog)

```
1 (time$ (thm (implies (and
2 (booleanp '44)
3 (booleanp '45)
4 (booleanp '46)
5 (booleanp '47)
6 (booleanp '48)
```

Save Resources dialog:
Select the resources to save:
- [x] test-factor-3.lisp [test-factors-in-lisp/test-
- [x] test-factor-3.lisp.a2s [test-factors-in-lisp/t

Buttons: Select All | Deselect All | Save Selected | Cancel

Problem Occurred dialog:
Save Failed
java.lang.StackOverflowError
[OK] [Details >>]

Panel 4 (middle-right): *test-factor-3.lisp.a2s — Ready for command input ACL2s Mode

```
        (OR 37 34 (NOT 45) 53 (NOT 52) (NOT 51))
        (OR 36 30 (NOT 42) 49 (NOT 47))
        (OR 34 (NOT 44)
            (NOT 40)
            55 51 50 47 (NOT 46))
        (OR 60 58 18 72 (NOT 70))
        (OR 62 56 (NOT 20)
            (NOT 19)
            (NOT 18)
            (NOT 74))
        (OR (NOT 36)
            (NOT 34)
            ...
            ...44 55 54 50 (NOT 49)
            (NOT 46))
        (OR (NOT 46) (NOT 22) (NOT 56))))
evaluates to T. Nothing to test!

Proof succeeded.
; (ACL2::EV-REC ACL2::*RETURN-LAST-ARG3* ...) took
; 0.79 seconds realtime, 0.23 seconds runtime
; (3,429,776 bytes allocated).
ACL2S !>
```

Bottom tab bar: Problems | @ Javadoc | Declaration | Console | Progress

Panel 5 (bottom-left): *test-factor-4.lisp — ACL2s Mode

```
1 (time$ (thm (implies (and
2 (booleanp '1)
3 (booleanp '2)
4 (booleanp '3)
5 (booleanp '4)
6 (booleanp '5)
7 (booleanp '6)
8 (booleanp '7)
9 (booleanp '8)
10 (booleanp '800)
11 (booleanp '9)
12 (booleanp '801)
13 (booleanp '802)
14 (booleanp '803)
15 (booleanp '804)
16 (booleanp '805)
17 (booleanp '806)
18 (booleanp '807)
19 (booleanp '808)
20 (booleanp '809)
21 (booleanp '810)
22 (booleanp '811)
23 (booleanp '812)
24 (booleanp '813)
25 (booleanp '814)
26 (booleanp '815)
27 (booleanp '816)
28 (booleanp '817)
29 (booleanp '818)
30 (booleanp '819)
```

Panel 6 (bottom-right): *test-factor-4.lisp.a2s — Ready for command input ACL2s Mode

```
        (OR 321 (NOT 289) (NOT 953))
        (OR 269 (NOT 320) 954)
        (OR 321 289 (NOT 954))
        (OR (NOT 269) 320 955)
        (OR 321 289 (NOT 955))
        (OR 269 320 956)
        (OR 321 (NOT 289) (NOT 956))
        (OR 270 322 957)
        (OR (NOT 323) 291 (NOT 957))
        (OR (NOT 270) 322 958)
        (OR (NOT 323) (NOT 291) (NOT 958))
        (OR 270 (NOT 322) 959)
        (OR (NOT 323) (NOT 291) (NOT 959))
        (OR (NOT 270) (NOT 322) 960)
        (OR (NOT 323) 291 (NOT 960))
        (OR (NOT 270) (NOT 322) 961)
        (OR 323 (NOT 291) (NOT 961))
        (OR 270 (NOT 322) 962)
        (OR 323 291 (NOT 962))
        (OR (NOT 270) 322 963)
        (OR 323 291 (NOT 963))
        (OR 270 322 964)
        (OR 323 (NOT 291) (NOT 964))))
evaluates to T. Nothing to test!

Proof succeeded.
; (ACL2::EV-REC ACL2::*RETURN-LAST-ARG3* ...) took
; 0.67 seconds realtime, 0.17 seconds runtime
; (3,944,464 bytes allocated).
ACL2S !>
```

test-factor-4.lisp | **test-factor-5.lisp** ⊠

ACL2s Mode

```
 1 (time$ (thm (implies (and
 2 (booleanp '1220)
 3 (booleanp '1217)
 4 (booleanp '1216)
 5 (booleanp '1215)
 6 (booleanp '1214)
 7 (booleanp '1213)
 8 (booleanp '1212)
 9 (booleanp '1211)
10 (booleanp '1210)
11 (booleanp '1219)
12 (booleanp '1218)
13 (booleanp '1231)
14 (booleanp '1230)
15 (booleanp '1228)
16 (booleanp '1227)
17 (booleanp '1)
18 (booleanp '2)
19 (booleanp '1226)
20 (booleanp '3)
21 (booleanp '1225)
22 (booleanp '4)
23 (booleanp '1224)
24 (booleanp '5)
25 (booleanp '1223)
26 (booleanp '6)
27 (booleanp '1222)
28 (booleanp '7)
29 (booleanp '1221)
30 (booleanp '8)
```

*test-factor-4.lisp.a2s | ***test-factor-5.lisp.a2s** ⊠

Ready for command input   ACL2s Mode

```
Z:\Desktop\test-factors-in-lisp>set NEW_LOC=yes

Z:\Desktop\test-factors-in-lisp>set /p saved_dir_contents= 0<C:\Users\vannim\.ecl

Z:\Desktop\test-factors-in-lisp>if exist C:\Users\vannim\.eclipse\org.eclipse.pla

Z:\Desktop\test-factors-in-lisp>if no == yes (
pushd C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_
 java -jar touch_compiled.jar
 echo C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_
 popd
)
```

Problem Occurred   — ☐ ✕

⊗ Unhandled event loop exception

java.lang.StackOverflowError

Show Error Log   OK   Details >>

```
-in-lisp>C:\Users\vannim\.eclipse\org.eclipse.platform_4.16
on Lisp Version 1.11.5/v1.11.5  (WindowsX8664)!

    December 31, 2017  07:39:41.
gents of the University of Texas
TELY NO WARRANTY.  This is free software and you
ibute it under certain conditions.  For details,
istributed with ACL2.

For ACL2 (theorem prover) help, refer to
   http://www.cs.utexas.edu/users/moore/acl2/v8-0/acl2-doc.html
For ACL2s (interface) help, refer to
   http://acl2s.ccs.neu.edu/acl2s/
=> Hold "Ctrl" to follow hyperlinks and :DOCumentation references <=

Loading ACL2s modifications...
ACL2S !>
```

---

test-factor-6.lisp ⊠

ACL2s Mode

```
 1 (time$ (thm (implies (and
 2 (booleanp '1220)
 3 (booleanp '1217)
 4 (booleanp '1216)
 5 (booleanp '1215)
 6 (booleanp '1214)
 7 (booleanp '1213)
 8 (booleanp '1212)
 9 (booleanp '1211)
10 (booleanp '1210)
11 (booleanp '1219)
12 (booleanp '1218)
13 (booleanp '1231)
14 (booleanp '1230)
15 (booleanp '1228)
16 (booleanp '1227)
17 (booleanp '1)
18 (booleanp '2)
19 (booleanp '1226)
20 (booleanp '3)
21 (booleanp '1225)
22 (booleanp '4)
23 (booleanp '1224)
24 (booleanp '5)
25 (booleanp '1223)
26 (booleanp '6)
27 (booleanp '1222)
28 (booleanp '7)
29 (booleanp '1221)
30 (booleanp '8)
```

test-factor-5.lisp.a2s | ***test-factor-6.lisp.a2s** ⊠

Ready for command input   ACL2s Mode

```
Z:\Desktop\test-factors-in-lisp>set NEW_LOC=yes

Z:\Desktop\test-factors-in-lisp>set /p saved_dir_contents= 0<C:\Users\vannim\.ecl

Z:\Desktop\test-factors-in-lisp>if exist C:\Users\vannim\.eclipse\org.eclipse.pla

Z:\Desktop\test-factors-in-lisp>if no == yes (
pushd C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_
 java -jar touch_compiled.jar
 echo C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_
 popd
)
```

Problem Occurred   — ☐ ✕

⊗ Unhandled event loop exception

java.lang.StackOverflowError

Show Error Log   OK   Details >>

```
-in-lisp>C:\Users\vannim\.eclipse\org.eclipse.platform_4.16
on Lisp Version 1.11.5/v1.11.5  (WindowsX8664)!

    December 31, 2017  07:39:41.
gents of the University of Texas
TELY NO WARRANTY.  This is free software and you
ibute it under certain conditions.  For details,
istributed with ACL2.

For ACL2 (theorem prover) help, refer to
   http://www.cs.utexas.edu/users/moore/acl2/v8-0/acl2-doc.html
For ACL2s (interface) help, refer to
   http://acl2s.ccs.neu.edu/acl2s/
=> Hold "Ctrl" to follow hyperlinks and :DOCumentation references <=

Loading ACL2s modifications...
ACL2S !>
```

Window 1: *test-factor-7.lisp (ACL2s Mode)

```
 1 (time$ (thm (implies (and
 2 (booleanp '88)
 3 (booleanp '89)
 4 (booleanp '110)
 5 (booleanp '111)
 6 (booleanp '112)
 7 (booleanp '113)
 8 (booleanp '114)
 9 (booleanp '115)
10 (booleanp '116)
11 (booleanp '117)
12 (booleanp '90)
13 (booleanp '118)
14 (booleanp '91)
15 (booleanp '119)
16 (booleanp '92)
17 (booleanp '93)
18 (booleanp '94)
19 (booleanp '95)
20 (booleanp '96)
21 (booleanp '97)
22 (booleanp '10)
23 (booleanp '98)
24 (booleanp '11)
25 (booleanp '99)
26 (booleanp '12)
27 (booleanp '13)
28 (booleanp '14)
29 (booleanp '15)
30 (booleanp '16)
```

Window 2: test-factor-6.lisp.a2s / *test-factor-7.lisp.a2s — Ready for command input ACL2s Mode

```
                    (OR (NOT 88) (NOT 38))
                    (OR (NOT 93) (NOT 43))
                    (OR (NOT 98) (NOT 48))
                    (OR (NOT 78) (NOT 33) 146)
                    (OR (NOT 78) (NOT 38) 147)
                    (OR (NOT 78) (NOT 43) 148)
                    (OR (NOT 78) (NOT 48) 149)
                    (OR (NOT 83) (NOT 28) 146)
                    (OR (NOT 83) (NOT 38) 150)
                    (OR (NOT 83) (NOT 43) 151)
                    (OR (NOT 83) (NOT 48) 152)
                    (OR (NOT 88) (NOT 28) 147)
                    (OR (NOT 88) (NOT 33) 150)
                    (OR (NOT 88) (NOT 43) 153)
                    (OR (NOT 88) (NOT 48) 154)
                    (OR (NOT 93) (NOT 28) 148)
                    (OR (NOT 93) (NOT 33) 151)
                    (OR (NOT 93) (NOT 38) 153)
                    (OR (NOT 93) (NOT 48) 155)
                    (OR (NOT 98) (NOT 28) 149)
                    (OR (NOT 98) (NOT 33) 152)
                    (OR (NOT 98) (NOT 38) 154)
                    (OR (NOT 98) (NOT 43) 155)))
evaluates to T. Nothing to test!

Proof succeeded.
; (ACL2::EV-REC ACL2::*RETURN-LAST-ARG3* ...) took
; 0.34 seconds realtime, 0.08 seconds runtime
; (1,569,424 bytes allocated).
ACL2S !>
```

Window 3: test-factor-8.lisp (ACL2s Mode)

```
 1 (time$ (thm (implies (and
 2 (boolp '230)
 3 (boolp '110)
 4 (boolp '231)
 5 (boolp '111)
 6 (boolp '232)
 7 (boolp '112)
 8 (boolp '233)
 9 (boolp '113)
10 (boolp '234)
11 (boolp '114)
12 (boolp '235)
13 (boolp '115)
14 (boolp '236)
15 (boolp '116)
16 (boolp '237)
17 (boolp '117)
18 (boolp '238)
19 (boolp '118)
20 (boolp '239)
21 (boolp '119)
22 (boolp '10)
23 (boolp '11)
24 (boolp '12)
25 (boolp '13)
26 (boolp '14)
27 (boolp '15)
28 (boolp '16)
29 (boolp '17)
30 (boolp '18)
```

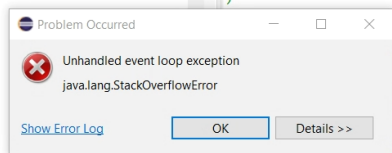**Window 4: test-factor-7.lisp.a2s / *test-factor-8.lisp.a2s — Ready for command input ACL2s Mode**

```
Z:\Desktop\test-factors-in-lisp>set NEW_LOC=yes

Z:\Desktop\test-factors-in-lisp>set /p saved_dir_contents= 0<C:\Users\vannim\.ecl

Z:\Desktop\test-factors-in-lisp>if exist C:\Users\vannim\.eclipse\org.eclipse.pla

Z:\Desktop\test-factors-in-lisp>if no == yes (
pushd C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_:
 java -jar touch_compiled.jar
 echo C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_:
 popd
)

         -in-lisp>C:\Users\vannim\.eclipse\org.eclipse.platform_4.16
         on Lisp Version 1.11.5/v1.11.5  (WindowsX8664)!

         December 31, 2017  07:39:41.
         gents of the University of Texas
         TELY NO WARRANTY.  This is free software and you
         ibute it under certain conditions.  For details,
         istributed with ACL2.

For ACL2 (theorem prover) help, refer to
   http://www.cs.utexas.edu/users/moore/acl2/v8-0/acl2-doc.html
For ACL2s (interface) help, refer to
   http://acl2s.ccs.neu.edu/acl2s/
=> Hold "Ctrl" to follow hyperlinks and :DOCumentation references <=

Loading ACL2s modifications...
ACL2S !>
```

Dialog: Problem Occurred

Unhandled event loop exception
java.lang.StackOverflowError

Show Error Log   OK   Details >>

test-factor-9.lisp

ACL2s Mode

```
1 (time$ (thm (implies (and
2 (boolp '1)
3 (boolp '2)
4 (boolp '3)
5 (boolp '4)
6 (boolp '5)
7 (boolp '6)
8 (boolp '7)
9 (boolp '8)
10 (boolp '9)
11 (boolp '700)
12 (boolp '701)
13 (boolp '702)
14 (boolp '703)
15 (boolp '704)
16 (boolp '705)
17 (boolp '706)
18 (boolp '707)
19 (boolp '708)
20 (boolp '709)
21 (boolp '710)
22 (boolp '711)
23 (boolp '712)
24 (boolp '713)
25 (boolp '714)
26 (boolp '715)
27 (boolp '716)
28 (boolp '717)
29 (boolp '718)
30 (boolp '600)
```

test-factor-7.lisp.a2s | *test-factor-9.lisp.a2s

Ready for command input ACL2s Mode

```
Z:\Desktop\test-factors-in-lisp>set NEW_LOC=yes

Z:\Desktop\test-factors-in-lisp>set /p saved_dir_contents= 0<C:\Users\vannim\.ecl

Z:\Desktop\test-factors-in-lisp>if exist C:\Users\vannim\.eclipse\org.eclipse.pla

Z:\Desktop\test-factors-in-lisp>if no == yes (
pushd C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_:
 java -jar touch_compiled.jar
 echo C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_:
 popd
)
```
```
-in-lisp>C:\Users\vannim\.eclipse\org.eclipse.platform_4.16
on Lisp Version 1.11.5/v1.11.5  (WindowsX8664)!

December 31, 2017  07:39:41.
gents of the University of Texas
TELY NO WARRANTY.  This is free software and you
ibute it under certain conditions.  For details,
istributed with ACL2.

For ACL2 (theorem prover) help, refer to
  http://www.cs.utexas.edu/users/moore/acl2/v8-0/acl2-doc.html
For ACL2s (interface) help, refer to
  http://acl2s.ccs.neu.edu/acl2s/
=> Hold "Ctrl" to follow hyperlinks and :DOCumentation references <=

Loading ACL2s modifications...
ACL2S !>
```

Problem Occurred

Unhandled event loop exception

java.lang.StackOverflowError

Show Error Log   OK   Details >>

Problems Javadoc Declaration Console Progress

---

*test-factor-10.lisp

```
1 (time$ (thm (implies (and
2 (booleanp '2306)
3 (booleanp '2305)
4 (booleanp '2304)
5 (booleanp '2303)
6 (booleanp '2302)
7 (booleanp '2301)
8 (booleanp '2300)
9 (booleanp '2309)
10 (booleanp '2308)
11 (booleanp '2307)
12 (booleanp '2320)
13 (booleanp '2317)
14 (booleanp '1)
15 (booleanp '2316)
16 (booleanp '2)
17 (booleanp '2315)
18 (booleanp '3)
19 (booleanp '2314)
20 (booleanp '4)
21 (booleanp '2313)
22 (booleanp '5)
23 (booleanp '2312)
24 (booleanp '6)
25 (booleanp '2311)
26 (booleanp '7)
27 (booleanp '2310)
28 (booleanp '8)
29 (booleanp '9)
30 (booleanp '2319)
31 (booleanp '2318)
```

*test-factor-8.lisp.a2s

Ready for command input ACL2s Mode

```
Z:\Desktop\test-factors-in-lisp>set NEW_LOC=yes

Z:\Desktop\test-factors-in-lisp>set /p saved_dir_contents= 0<C:\Users\vannim\.ecl

Z:\Desktop\test-factors-in-lisp>if exist C:\Users\vannim\.eclipse\org.eclipse.pla

Z:\Desktop\test-factors-in-lisp>if no == yes (
pushd C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_:
 java -jar touch_compiled.jar
 echo C:\Users\vannim\.eclipse\org.eclipse.platform_4.16.0_529441653_win32_win32_:
 popd
)
```
```
-in-lisp>C:\Users\vannim\.eclipse\org.eclipse.platform_4.16
on Lisp Version 1.11.5/v1.11.5  (WindowsX8664)!

December 31, 2017  07:39:41.
gents of the University of Texas
TELY NO WARRANTY.  This is free software and you
ibute it under certain conditions.  For details,
istributed with ACL2.

For ACL2 (theorem prover) help, refer to
  http://www.cs.utexas.edu/users/moore/acl2/v8-0/acl2-doc.html
For ACL2s (interface) help, refer to
  http://acl2s.ccs.neu.edu/acl2s/
=> Hold "Ctrl" to follow hyperlinks and :DOCumentation references <=

Loading ACL2s modifications...
ACL2S !>
```

Problem Occurred

Unhandled event loop exception

java.lang.StackOverflowError

Show Error Log   OK   Details >>