

## Results for tape 'test7': pass





Run speed: ☒ Slow ☐ Medium ☐ Fast

-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	#	#	#	#	#
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Steps: 154

State: \*halt\*

Select test: test1 test2 test3 test4 test5 test6 test7 ☒ Paren checker☐ Busy beaver

```

1 // Parenthesis matcher Turing Machine
2 // test tapes
3
4 symbols ( ) 0 1 #
5
6 tape test1 (
7 result1 test1 0
8
9 tape test2 )
10 result1 test2 0
11
12 tape test3 ( ) ( )
13 result1 test3 1
14
15 tape test4 ( ) ( ) )
16 result1 test4 0
17
18 tape test5 ( ( ( )
19 result1 test5 0
20
21 tape test6 ( ) ( ( ( ) ( ( ( ) ) ( ) ) )
22 result1 test6 0
23
24 tape test7 ( ( ( ( ( ( ) ( ( ) ) ) ) ) ) )
25 result1 test7 1
26
27 // define additional symbols, your states and actions here
28
29 // 3 state implementation
30
31 states closed open end
32
33 action closed ) open # r
34 action closed ( closed ( l
35 action closed # closed # l
36 action closed - end - r
37
38 action open ( closed # l
39 action open ) *halt* 0 -
40 action open # open # r
41 action open - *halt* 0 -

```

```
42  
43 action end ( *halt* 0 -  
44 action end ) *halt* 0 -  
45 action end # end # r  
46 action end - *halt* 1 -
```