tiagox

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 tiagox

Sistemas de numeración

Octal	7	6	5	4	3	2	1	0
Binario	111	110	101	100	011	010	001	000

Julia Evans
@b0rk

unix permissions

There are 3 things you can do to a file

read write execute

`ls -l file.txt` shows you permissions. Here's how to interpret the output:

rw- rw- r-- bork staff

- rw-: bork (user) can read & write
- rw-: staff (group) can read & write
- r--: ANYONE can read

File permissions are 12 bits

setuid	setgid		user	group	all
0	0	0	110	110	100
		sticky	rwx	rwx	rwx

For files:
- r = can read
- w = can write
- x = can execute

For directories, it's approximately:
- r = can list files
- w = can create files
- x = can cd into & access files

110 in binary is 6

So rw- r-- r--
= 110 100 100
= 6 4 4

`chmod 644 file.txt` means change the permissions to:

rw- r-- r--

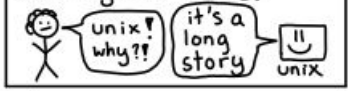
Simple!

`setuid` affects executables

```
$ls -l /bin/ping
rws r-x r-x root root
```

this means ping always runs as root

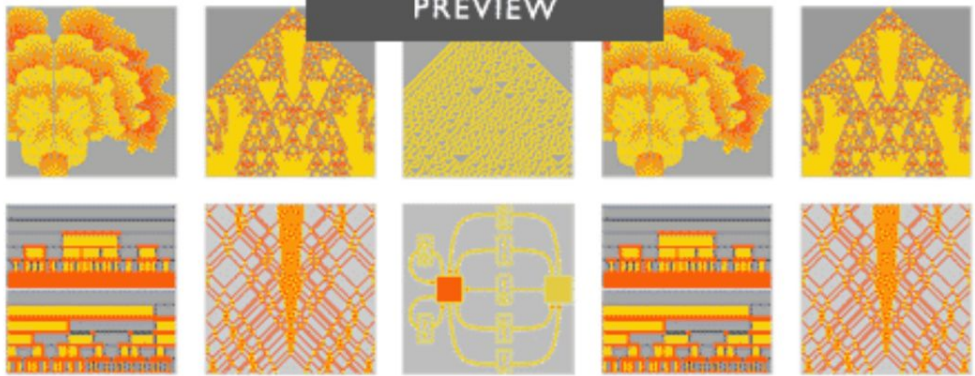
`setgid` does 3 different unrelated things for executables, directories, and regular files.



Building on Stephen Wolfram's A New Kind of Science...

THE WOLFRAM ATLAS OF SIMPLE PROGRAMS

PREVIEW



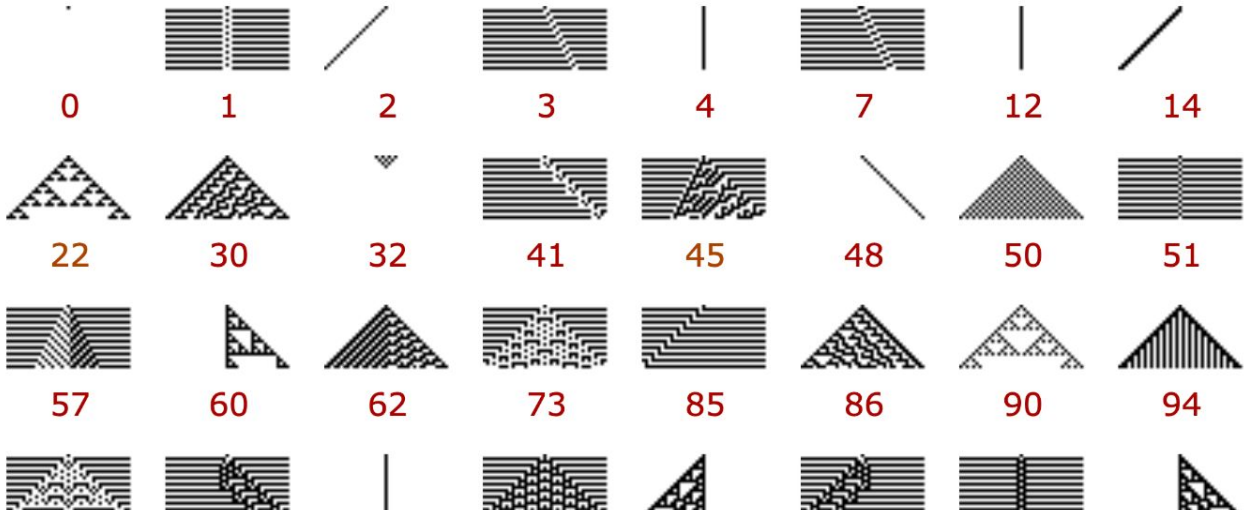
AN OPEN RESOURCE FOR RESEARCH & EDUCATION

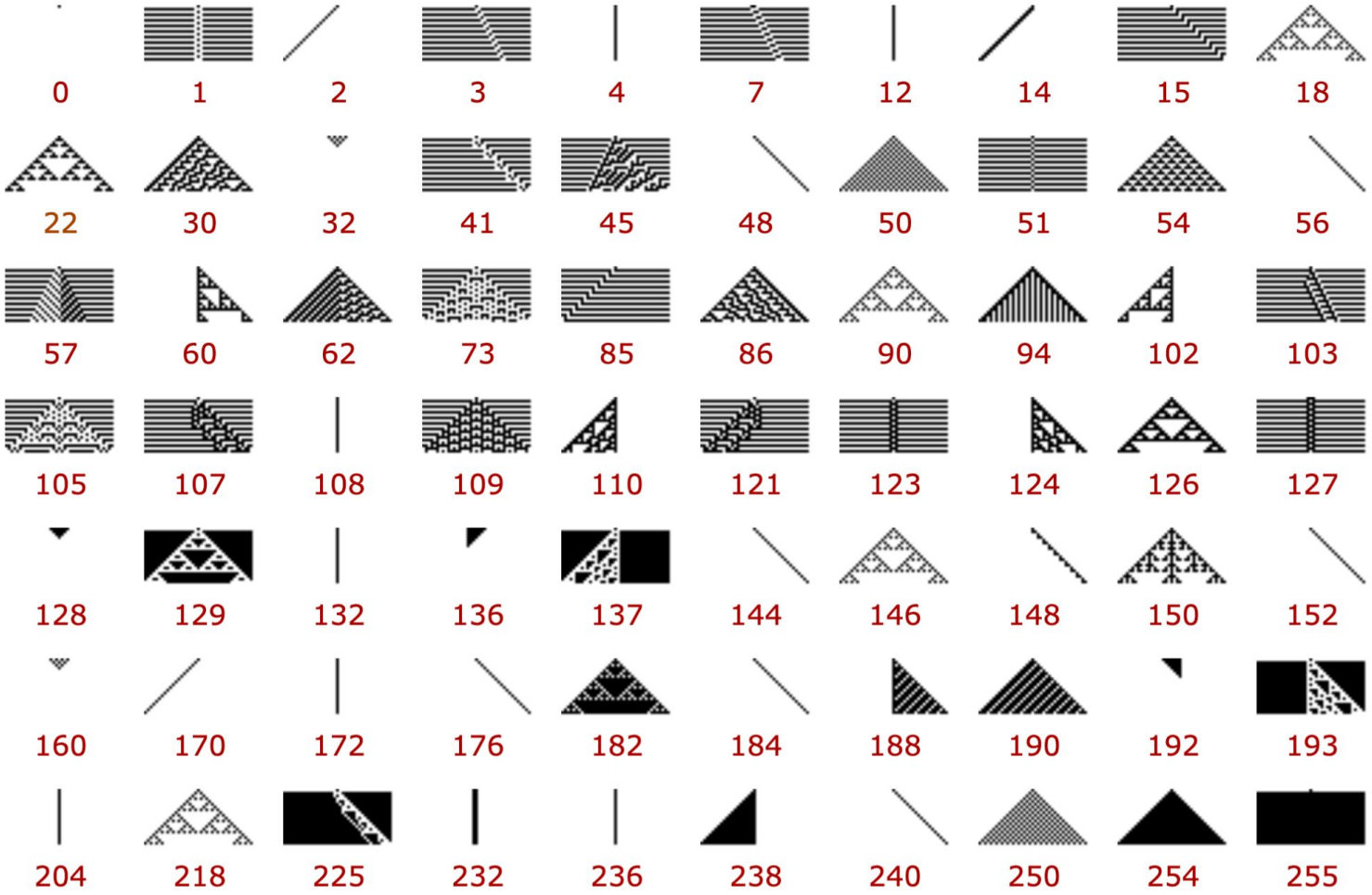
https://atlas.wolfram.com/

SYSTEM CATEGORIES
Cellular Automata
Turing Machines
Mobile Automata
Substitution Systems
Tag Systems
Register Machines
Symbolic Systems
Systems Based on Numbers
Network Systems
Multiway Systems
Systems Based on Constraints
Axiom Systems
Index of Systems
About the Atlas
About Simple Programs

Elementary Cellular Automata

Highlighted rules:

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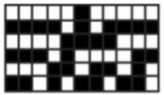
Elementary Cellular Automata

Rule 45

Rule properties



Example

Rule icon

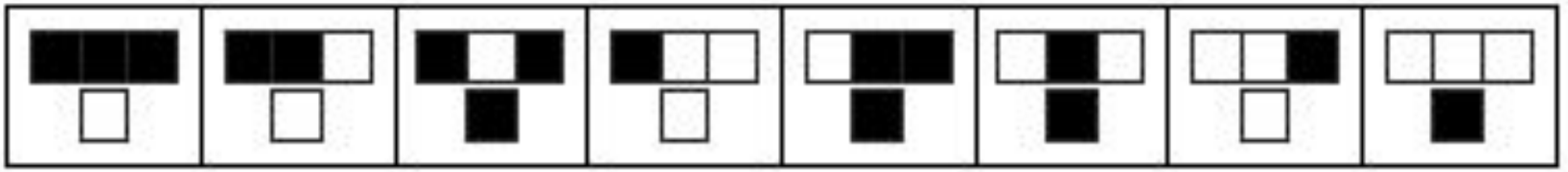
+ Equivalent rules | Rule descriptions

Simple initial conditions

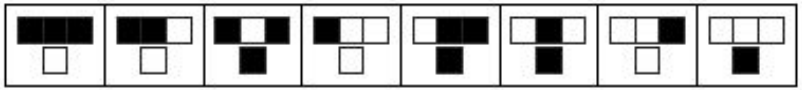
Single black cell

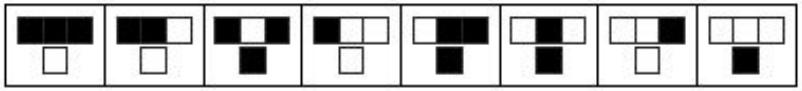
+ First 100 initial conditions

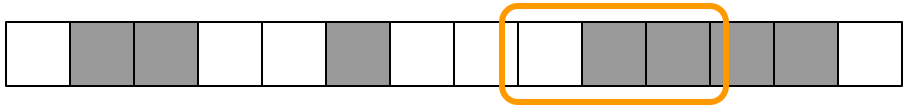
Random initial conditions

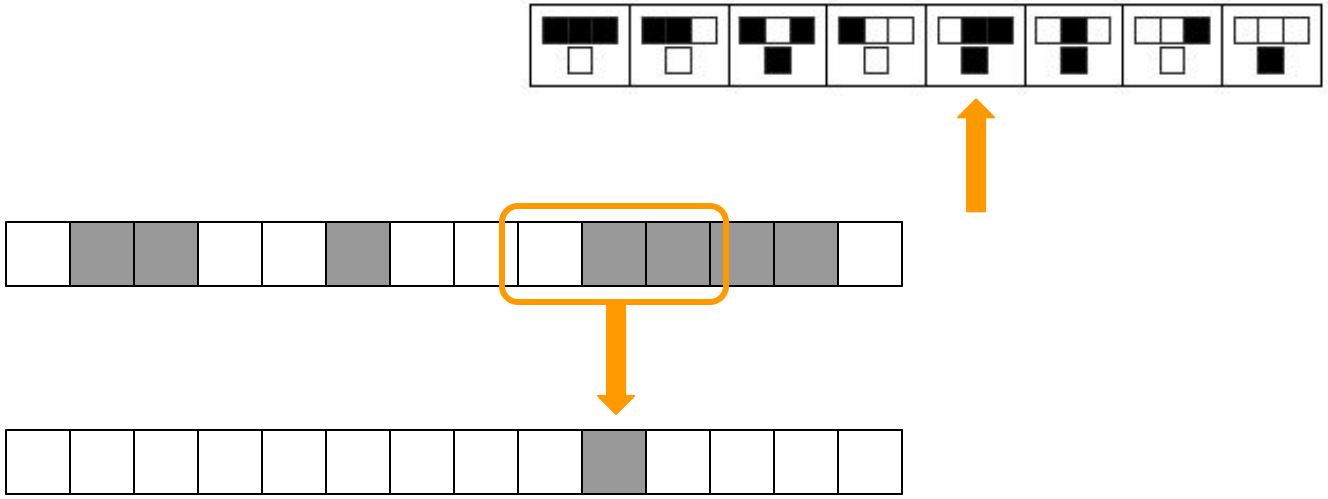
111	110	101	100	011	010	001	000
							
0	0	1	0	1	1	0	0

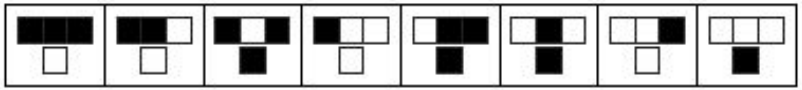
45

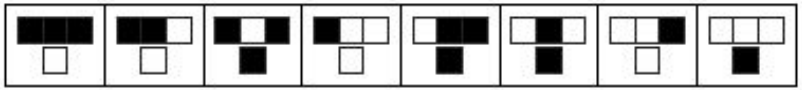


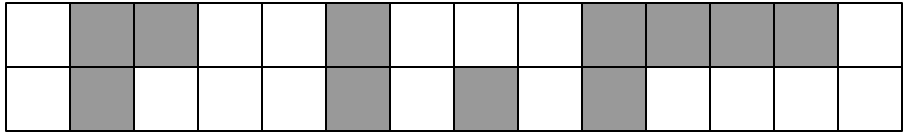


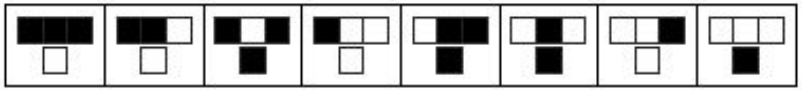


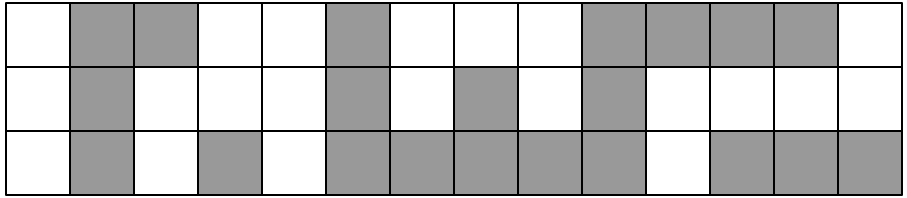


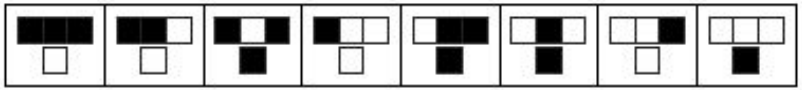


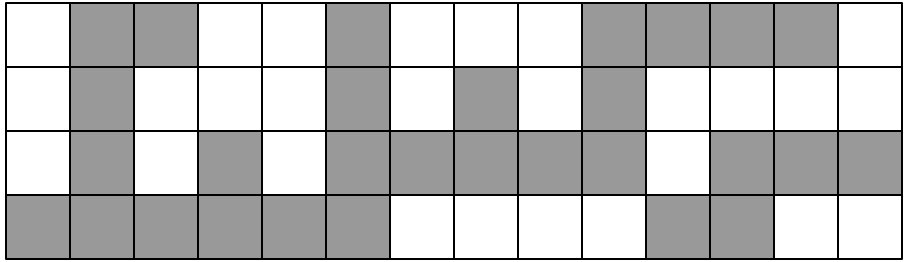


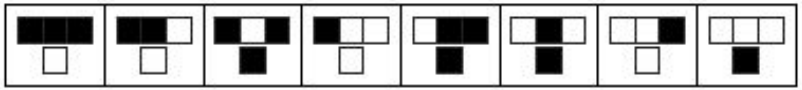


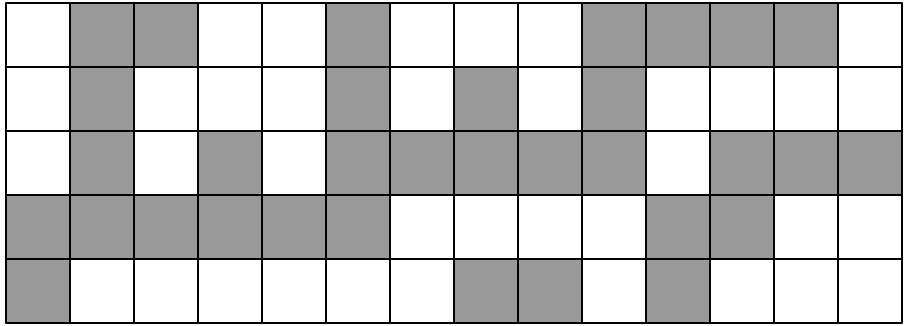


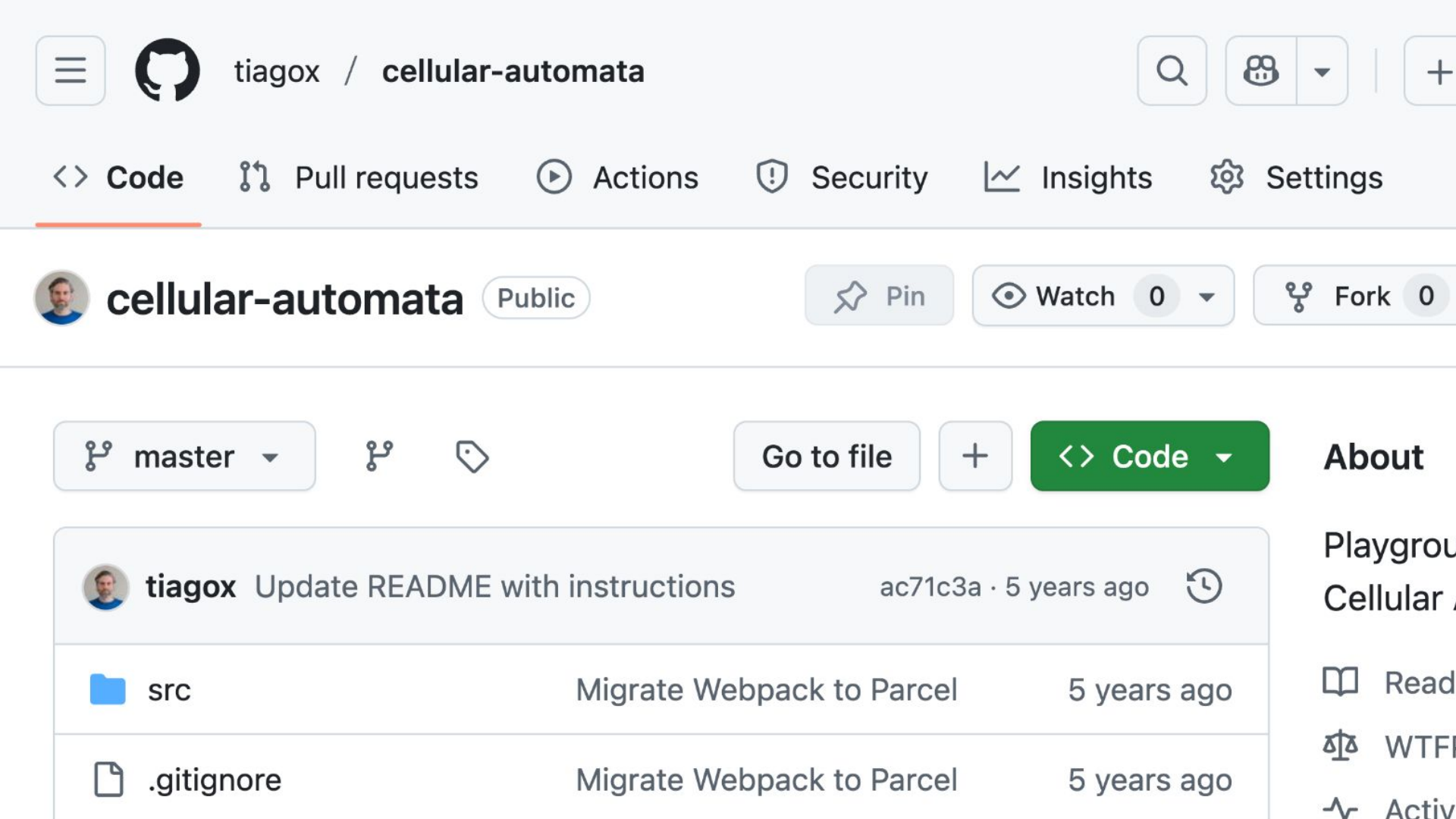











tiagox / cellular-automata
Code
Pull requests
Actions
Security
Insights
Settings
cellular-automata
Public
Pin
Watch 0
Fork 0
master
Go to file
Code
About
tiagox Update README with instructions
ac71c3a · 5 years ago
src
Migrate Webpack to Parcel
5 years ago
.gitignore
Migrate Webpack to Parcel
5 years ago


SCORE 900
TIME 1:13
RINGS 13

https://github.com/tiagox/cellular-automata