This is a hand-drawn finite state machine (transition diagram) for a lexical analyzer. The readable labels include:

- State 2: **adder** (transition `+,-`)
- State 3, State 4: **assignop** (transition `=`, `+,-,*,/`)
- State 5: **letter**
- State 6, State 7: **char**
- State 8: **comma**
- State 9, State 10: **comparator** (transition `<,>,!`, `=`)
- State 11, State 12: **digit** (transitions `digit`, `E,e`)
- State 13, State 14: (transition `+,-`)
- State 15: **digit · digit**
- State 16, State 17: **increment** (transitions `+`, `E,e`)
- State 18, State 19: (transition `-`)

letter, digit, _

letter, _

1

20    Ident

0x10  0x0A
0x0d  0x0a

30

digit    digit
21    l,l   22    Usu   23    int literal

l,u
24   u,l   25

E   26

!   27

&   28

*,/   29

3   30

)   31

:   32

33   letter, digits, ...

"   "   35

34

35 digits = (11, 21) = row 37

All + signs 2, 3, 16 = row 38

All = signs = 4, 9 = row 39

All - signs = 2, 3, 18 = row 40

☆ signs = 29, 3 = row 41

/ signs = 29, 3 = 41

< = 9, 10 = 42

> = 9, 10 = 42