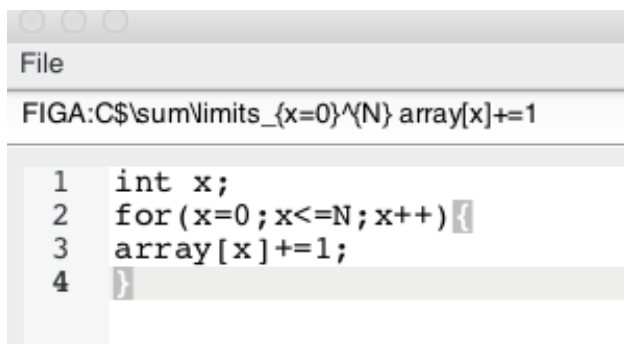


F.I.G.A

A 3-level Production

F.I.G.A is an acronym for Functionally Interpreted Generation of Algorithms. It converts a summation formula in LaTeX format and outputs a properly formatted C for-loop. With F.I.G.A you can specify the loop contents in one line and it will translate the contents onto the M.O.B source editor. No need to insert a semicolon at the end of each instruction, F.I.G.A does that for you, just specify a new line with a space in the F.I.G.A text entry box.



```
File
FIGA:C$\sum\limits_{x=0}^N$ array[x]+=1

1  int x;
2  for (x=0; x<=N; x++) {
3  array[x] += 1;
4  }
```

Dependencies. M.O.B <https://github.com/3LP/M.O.B>

How to use F.I.G.A. DO NOT separate characters by whitespace unless you wish to begin a new line in your loop. First, input a capitol C to tell F.I.G.A to translate the input into a C for-loop. Next, input the sum formula in LaTeX format.

```
C$\sum\limits_{x=0}^N$ array [x] += 1
```

Hit Enter and then Boom, you convert a summation formula plus loop instructions into a properly formatted C-loop. F.I.G.A inserts semicolons for you!!!!

Future Development. Build tools that convert mathematical functions written in LaTeX into programming instructions in C-based and Python languages.