Requirements

Functional

*Algorithm*

* key counter
  + *i++ when key added to stack*
  + *How well will delimiters work? Will they display repeats as new keys pressed?*
  + *Will this work the same in all programs?*
* keys/second
  + display time
    - *clock*
    - Stop time?
      * *shortcut key? ALT,SHIFT,ESC?*
  + Current count
    - *3 decimal places*
    - *10-element stack*
    - *count keys pressed each second*
    - *subtract earliest and add newest*
    - *mult by 0.1*
* display actions (i.e. keys, including being held down)
  + display past 20 actions
  + group keys when held down
    - CTRL, SHIFT, F
    - CTRL,F
    - CTRL, SHIFT, F
    - *implement a 20-element stack*
    - exclude when keys that do not work when held down (?)
      * e.g. 1: # keys counted is displayed in brackets
        + SHIFT, F (2)
        + F (1 per output? or just 1)
        + Output: “Ffff…”
      * e.g. 2:
        + SHIFT,F (2)
        + F (1)
        + SHIFT,F (0)
        + Output: “Ff[]”, i.e. everything halts
      * e.g. 3:
        + CTRL, SHIFT, G
        + SHIFT, G
        + MathType Output: 
      * e.g. 4:
        + SHIFT, G (2)
        + CTRL, SHIFT, G (2)
        + G (2)
        + MathType Output: 
        + exhausts the SHIFT
    - *Check previous action if ALT, SHIFT, CTRL were held: Boolean array for each key*