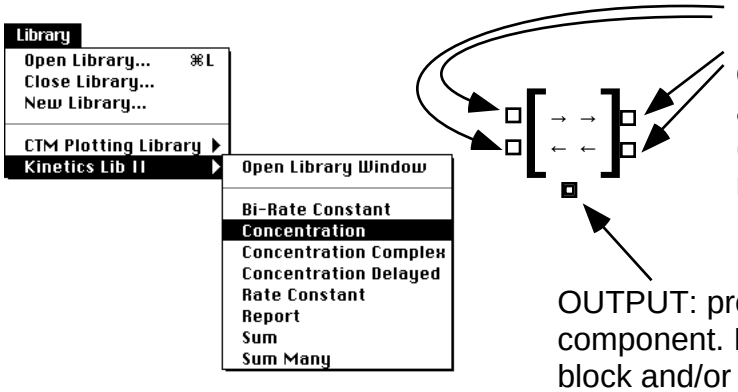
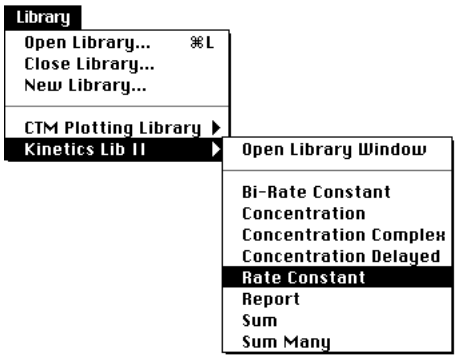


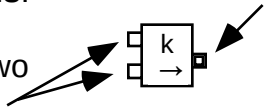
INPUTS: should be in the form of rates. On each cycle of the simulation, concentration is either added to (inward arrow inputs) or subtracted from (outward arrow) the contents, based on the input rate at that connector.

OUTPUT: provides the **current concentration** of this component. It can be connected to the next rate constant block and/or to a plotter for direct monitoring.

Double-click on the icon to set the initial concentration of each component. You can also enter a name for the component for your future reference.

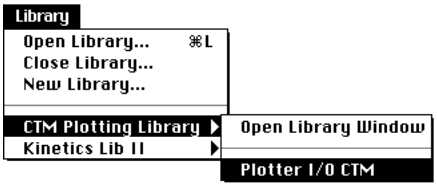


INPUTS: should be in the form of **concentrations**. Can connect one only (for 1st order rxn) or two (for 2nd order rxn)

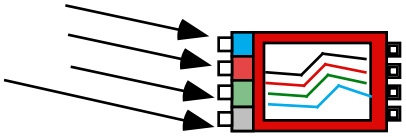


OUTPUT: provides the **rate** resulting from:
R=k(InputConc)
for 1 input
or
R=k(InputConc1)(InputConc2)
for 2 inputs

Double-click on the icon to set the kinetic parameter "k". Note that it will be either 1st or 2nd order, depending on the number of inputs you connect. It is up to you to see that it is reasonable.

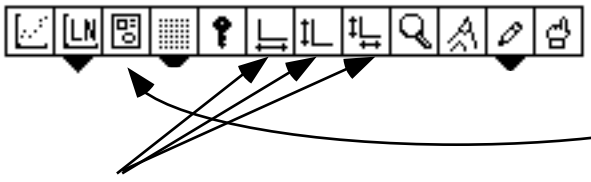


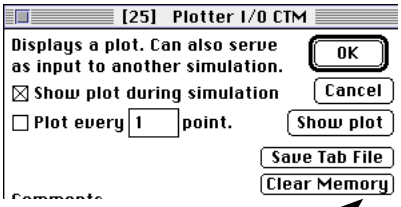
INPUTS: connect **concentrations** which you would like to plot over the reaction time course.



Double-clicking on this icon brings the plot to the foreground.

Within the plot you will see the following set of "clickable" icons.





Auto-range for plot. Sets x, y, or x and y to allow full view of the plot. You probably want to click on the xy button at the end of a simulation (can also be clicked during a simulation).

The data in the plot will be saved with the file. Press here to clear the data and reduce the file size.

A + B --> C

dA/dt = -kAB
dB/dt = -kAB
dC/dt = kAB