This program can compute a balanced chemical equation with some simple molecule like H2O. The limit of the algorithm is that the molecules or compounds in the equation must be something that each element appear only once, for example, NH4Cl, KMnO4 are suitable, but CH3OH is not suitable (H appear twice); if you would like to compute a balanced chemical equation with some compounds like CH3OH, you must combine the same element in different position(treat CH3OH as CH4O in this case).

For the doxygen documentation of the program, see “refman.pdf”.

Before run:

Make sure your Python Library has sympy and mpmath

To run:

See the comments of the examples in “ReactionT.py”