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Program run in python 3 and 2: Version 3.9.7

To run it use: python DVCal.py

Important:

* The node from 1-6 have been changed to 0 – 5. I did this because it was easier to implement everything else if this was the case.

Assumptions:

* The link between two nodes are bidirectional, thus the table will be mirrored at the diagonal.

What Each input does:

* Enter (c) to change a link, or press (enter) to proceed:
  + This will let you change the link of the node. The change will happen on both nodes on the table
* Would you like to run until stable state? (y) or (n)
  + This will run the program until it reaches a stable state and will give you the time
* Would you like the Print?
  + This will show all the prints in between each iteration.

Ex 1: Run until stable state

Text

Description automatically generated

Ex 2: Change link and run until stable state

Text

Description automatically generated

Ex 3: With iteration and no print

Text

Description automatically generated

Ex 4: With iteration and Print

Text

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated with low confidenceText

Description automatically generated with medium confidence

Ex 5: With iteration and Print and link change

Text

Description automatically generated

A picture containing graphical user interface

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

* Reached stable state so I changed it again but to (16 = inf)

Text

Description automatically generated with medium confidence

Text

Description automatically generated with low confidence

* Change it back the value from before once it reached the stable state so INF -> 4

Text

Description automatically generated