Read Me: ListofLatinCubes.py
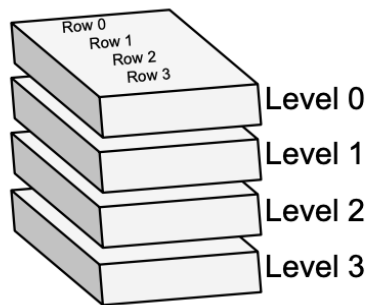
The file ListofLatinCubes.py is a list of all 55,296 Latin Cubes.The file contains a single array called N with length 55,296. N is an array of arrays of arrays of arrays of numbers.

- Each entry of N is a 4x4 Latin Cube.
- N[a] is a cube of the form [[level 0],[level 1],[level 2],[level 3]]
- N[a][b] is a square at level b in cube N[a] of the form [[row 0],[row 1],[row 2],[row 3]].
- N[a][b][c] is row c of the square N[a][b] of the form [entry 0, entry 1, entry 2, entry 3].
- N[a][b][c][d] is the d'th entry of row c and is a number in {0,1,2,3}.

How to use this file:

In your python code, write:

  import ListofLatinCubes
  name=ListofLatinCubes.N

And now *name* is the array N from above.