```
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
Created on Wed Mar 9 11:24:56 2022
@author: juanmeriles
import
             as
import
                         as
import
                      as
import
```

```
def MeanRemap
```

```
for in range len
     if 1
      else
        for in range len
           for in range len 0
if +1
         for in range len
            for in range len 0
            if not in
         for in range len
                             int
                             int
                  len
                  len
         #nodesMean[i][0] = newx
         #nodesMean[i][1] = newy
   return
def PoisEqs
      1 2 7 3
1 2 1 5
        1 4 0 4 6 2
        1 4 0 4 6
```

```
return
def PoissonRemap
                               'float'
   for in range len
       if
       else
           for in range len
                for in range len
                                    +1
                       if 0
                       if
                       if
                       if
                                       len
           #print(surnodes)
                                       int
                                       int
```

return def plotElements for in range len for in range len 0 1 0 1 1 0 0 0 'b' #print(nodes)

for in range 25

2

 $^{1}r^{1}$

'g'

2

'Neighbor Average' 'Poisson Smoothing'