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0.41689327 0.28530685 0.      ]]
[[0.      0.26851443 0.23280893 ...
0.14071247 0.37429935 0.58154965]
[0.26851443 0.      0.18841444 ...
0.28930952 0.22494444 0.43874822]
[0.23280893 0.18841444 0.      ...
0.33674916 0.1473092 0.35411862]
...
[0.14071247 0.28930952 0.33674916 ... 0.
0.46010868 0.67527772]
[0.37429935 0.22494444 0.1473092 ...
0.46010868 0.      0.22383029]
[0.58154965 0.43874822 0.35411862 ...
0.67527772 0.22383029 0.      ]]
[[0.      0.29799329 0.20420578 ...
0.44922155 0.33075671 0.55181519]
[0.29799329 0.      0.23430749 ...

```

```

0.60942596 0.17029386 0.45      ]
[0.20420578 0.23430749 0.      ...
0.64070274 0.1584298  0.35411862]
...
[0.44922155 0.60942596 0.64070274 ... 0.
0.72374028 0.96483159]
[0.33075671 0.17029386 0.1584298  ...
0.72374028 0.      0.28442925]
[0.55181519 0.45      0.35411862 ...
0.96483159 0.28442925 0.      ]]
[[0.      0.26944387 0.20615528 ...
0.19416488 0.3524202  0.5416641  ]
[0.26944387 0.      0.24919872 ...
0.27586228 0.09486833 0.47370877]
[0.20615528 0.24919872 0.      ...
0.36578682 0.28337255 0.34014703]
...
[0.19416488 0.27586228 0.36578682 ... 0.
0.36728735 0.68095521]
[0.3524202  0.09486833 0.28337255 ...
0.36728735 0.      0.430581  ]
[0.5416641  0.47370877 0.34014703 ...
0.68095521 0.430581  0.      ]]
[[0.      0.33136083 0.20322401 ...
0.36359318 0.42731721 0.54653454]
[0.33136083 0.      0.25357445 ...
0.03741657 0.11045361 0.47212287]
[0.20322401 0.25357445 0.      ...
0.26925824 0.31064449 0.35411862]
...
[0.36359318 0.03741657 0.26925824 ... 0.
0.07348469 0.4570558  ]
[0.42731721 0.11045361 0.31064449 ...
0.07348469 0.      0.43416587]
[0.54653454 0.47212287 0.35411862 ... 0.4570558

```

```

0.43416587 0.          ]]
[[0.          0.44045431 0.34263683 ...
0.37603191 0.37456642 0.50457903]
[0.44045431 0.          0.17832555 ...
0.23194827 0.28757608 0.43289722]
[0.34263683 0.17832555 0.          ...
0.07071068 0.3726929  0.28495614]
...
[0.37603191 0.23194827 0.07071068 ... 0.
0.4414748  0.21494185]
[0.37456642 0.28757608 0.3726929  ... 0.4414748
0.          0.64784257]
[0.50457903 0.43289722 0.28495614 ...
0.21494185 0.64784257 0.          ]]
[[0.          0.28460499 0.23043437 ...
0.32878564 0.3744329  0.36796739]
[0.28460499 0.          0.18788294 ... 0.4678675
0.57671483 0.51088159]
[0.23043437 0.18788294 0.          ...
0.28600699 0.59472683 0.32817678]
...
[0.32878564 0.4678675  0.28600699 ... 0.
0.64521314 0.04358899]
[0.3744329  0.57671483 0.59472683 ...
0.64521314 0.          0.67320131]
[0.36796739 0.51088159 0.32817678 ...
0.04358899 0.67320131 0.          ]]
[[0.          0.17058722 0.20049938 ...
0.37376463 0.24372115 0.38691084]
[0.17058722 0.          0.11          ...
0.41545156 0.41146081 0.41303753]
[0.20049938 0.11          0.          ...
0.32015621 0.4180909  0.31288976]
...
[0.37376463 0.41545156 0.32015621 ... 0.

```



```

0.41629317 0.03741657]
[0.24372115 0.41146081 0.4180909 ...
0.41629317 0.         0.44665423]
[0.38691084 0.41303753 0.31288976 ...
0.03741657 0.44665423 0.         ]]
[[0.         0.16431677 0.2034699 ...
0.15811388 0.24939928 0.35284558]
[0.16431677 0.         0.0969536 ...
0.29597297 0.41231056 0.38794329]
[0.2034699 0.0969536 0.         ...
0.28879058 0.44249294 0.31288976]
...
[0.15811388 0.29597297 0.28879058 ... 0.
0.19390719 0.26248809]
[0.24939928 0.41231056 0.44249294 ...
0.19390719 0.         0.44598206]
[0.35284558 0.38794329 0.31288976 ...
0.26248809 0.44598206 0.         ]]
[[0.         0.20615528 0.20856654 ...
0.12409674 0.14456832 0.36986484]
[0.20615528 0.         0.08124038 ...
0.32787193 0.34669872 0.39255573]
[0.20856654 0.08124038 0.         ... 0.3207803
0.34899857 0.31543621]
...
[0.12409674 0.32787193 0.3207803 ... 0.
0.04582576 0.3906405 ]
[0.14456832 0.34669872 0.34899857 ...
0.04582576 0.         0.43462628]
[0.36986484 0.39255573 0.31543621 ... 0.3906405
0.43462628 0.         ]]
[[0.         0.18439089 0.07874008 ...
0.10198039 0.09486833 0.38340579]
[0.18439089 0.         0.12247449 ...
0.28495614 0.26038433 0.39217343]

```

```

[0.07874008 0.12247449 0.          ...
0.17029386 0.13928388 0.33970576]
...
[0.10198039 0.28495614 0.17029386 ... 0.
0.05830952 0.39673669]
[0.09486833 0.26038433 0.13928388 ...
0.05830952 0.          0.34          ]
[0.38340579 0.39217343 0.33970576 ...
0.39673669 0.34          0.          ]]
[[0.          0.12083046 0.13928388 ... 0.2541653
0.49436828 0.43554563]
[0.12083046 0.          0.20832667 ...
0.35665109 0.43428102 0.41988094]
[0.13928388 0.20832667 0.          ...
0.16673332 0.42497059 0.32634338]
...
[0.2541653  0.35665109 0.16673332 ... 0.
0.54717456 0.4112177  ]
[0.49436828 0.43428102 0.42497059 ...
0.54717456 0.          0.17691806]
[0.43554563 0.41988094 0.32634338 ... 0.4112177
0.17691806 0.          ]]
[[0.          0.287054  0.12688578 ...
0.19313208 0.46925473 0.47010637]
[0.287054  0.          0.31511903 ...
0.45044423 0.27892651 0.44698993]
[0.12688578 0.31511903 0.          ...
0.15099669 0.41605288 0.35958309]
...
[0.19313208 0.45044423 0.15099669 ... 0.
0.55308227 0.44911023]
[0.46925473 0.27892651 0.41605288 ...
0.55308227 0.          0.2745906  ]
[0.47010637 0.44698993 0.35958309 ...
0.44911023 0.2745906  0.          ]]

```

```

[[0.          0.26776856 0.18547237 ...
0.11045361 0.1          0.44788391]
 [0.26776856 0.          0.17117243 ... 0.1603122
0.19104973 0.45552168]
 [0.18547237 0.17117243 0.          ...
0.10488088 0.08717798 0.31843367]
 ...
 [0.11045361 0.1603122 0.10488088 ... 0.
0.04242641 0.41448764]
 [0.1          0.19104973 0.08717798 ...
0.04242641 0.          0.38183766]
 [0.44788391 0.45552168 0.31843367 ...
0.41448764 0.38183766 0.          ]]
[[0.          0.26925824 0.23515952 ...
0.08660254 0.3082207 0.32310989]
 [0.26925824 0.          0.14071247 ...
0.21213203 0.49244289 0.30479501]
 [0.23515952 0.14071247 0.          ...
0.15165751 0.51874849 0.16643317]
 ...
 [0.08660254 0.21213203 0.15165751 ... 0.
0.38948684 0.24556058]
 [0.3082207 0.49244289 0.51874849 ...
0.38948684 0.          0.62080593]
 [0.32310989 0.30479501 0.16643317 ...
0.24556058 0.62080593 0.          ]]
[[0.          0.20904545 0.17720045 ...
0.12688578 0.86220647 0.26438608]
 [0.20904545 0.          0.17972201 ... 0.2541653
1.02532922 0.19748418]
 [0.17720045 0.17972201 0.          ...
0.11532563 1.01024749 0.09219544]
 ...
 [0.12688578 0.2541653 0.11532563 ... 0.
0.92103203 0.20248457]

```

```

[0.86220647 1.02532922 1.01024749 ...
0.92103203 0.          1.08742816]
[0.26438608 0.19748418 0.09219544 ...
0.20248457 1.08742816 0.          ]]
[[0.          0.24207437 0.24062419 ... 0.0591608
0.66633325 0.26019224]
[0.24207437 0.          0.47212287 ...
0.26400758 0.67808554 0.19416488]
[0.24062419 0.47212287 0.          ...
0.24494897 0.7628237  0.42544095]
...
[0.0591608  0.26400758 0.24494897 ... 0.
0.61343296 0.31208973]
[0.66633325 0.67808554 0.7628237  ...
0.61343296 0.          0.83695878]
[0.26019224 0.19416488 0.42544095 ...
0.31208973 0.83695878 0.          ]]
[[0.          0.40311289 0.20639767 ...
0.14491377 0.23727621 0.2541653  ]
[0.40311289 0.          0.60423505 ...
0.34539832 0.16792856 0.3923009  ]
[0.20639767 0.60423505 0.          ...
0.30626786 0.4414748  0.38105118]
...
[0.14491377 0.34539832 0.30626786 ... 0.
0.19621417 0.35860842]
[0.23727621 0.16792856 0.4414748  ...
0.19621417 0.          0.28372522]
[0.2541653  0.3923009  0.38105118 ...
0.35860842 0.28372522 0.          ]]
[[0.          0.41988094 0.21400935 ...
0.36124784 0.25039968 0.26776856]
[0.41988094 0.          0.62681736 ...
0.19748418 0.25377155 0.20736441]
[0.21400935 0.62681736 0.          ...

```

```

0.56187187 0.43185646 0.46054316]
...
[0.36124784 0.19748418 0.56187187 ... 0.
0.3283291 0.28913665]
[0.25039968 0.25377155 0.43185646 ... 0.3283291
0.
0.04690416]
[0.26776856 0.20736441 0.46054316 ...
0.28913665 0.04690416 0.
]]
[[0.
0.40804412 0.18627936 ...
0.42778499 0.28722813 0.29949958]
[0.40804412 0.
0.58600341 ...
0.17916473 0.25884358 0.25768197]
[0.18627936 0.58600341 0.
...
0.60440053 0.42684892 0.43749286]
...
[0.42778499 0.17916473 0.60440053 ... 0.
0.39560081 0.39862263]
[0.28722813 0.25884358 0.42684892 ...
0.39560081 0.
0.01414214]
[0.29949958 0.25768197 0.43749286 ...
0.39862263 0.01414214 0.
]]
[[0.
0.54230987 0.18493242 ...
0.90216406 0.37496667 0.41701319]
[0.54230987 0.
0.60241182 ...
0.94899947 0.28372522 0.32710854]
[0.18493242 0.60241182 0.
...
0.74195687 0.36221541 0.3726929 ]
...
[0.90216406 0.94899947 0.74195687 ... 0.
0.74357246 0.67557383]
[0.37496667 0.28372522 0.36221541 ...
0.74357246 0.
0.0728011 ]
[0.41701319 0.32710854 0.3726929 ...
0.67557383 0.0728011 0.
]]
[[0.
0.48176758 0.24372115 ...

```

```

1.80149938 0.28195744 0.37656341]
[0.48176758 0.          0.58318093 ...
1.80828648 0.28106939 0.35679126]
[0.24372115 0.58318093 0.          ...
1.86831475 0.31256999 0.31144823]
...
[1.80149938 1.80828648 1.86831475 ... 0.
1.86678869 1.90268232]
[0.28195744 0.28106939 0.31256999 ...
1.86678869 0.          0.13601471]
[0.37656341 0.35679126 0.31144823 ...
1.90268232 0.13601471 0.          ]]
[[0.          0.3992493  0.31016125 ...
1.84361059 0.23937418 0.13379088]
[0.3992493  0.          0.57445626 ...
1.95005128 0.20615528 0.35679126]
[0.31016125 0.57445626 0.          ...
1.90249836 0.37960506 0.3132092 ]
...
[1.84361059 1.95005128 1.90249836 ... 0.
1.95514705 1.9679939 ]
[0.23937418 0.20615528 0.37960506 ...
1.95514705 0.          0.17029386]
[0.13379088 0.35679126 0.3132092  ... 1.9679939
0.17029386 0.          ]]
[[0.          1.87387299 1.87994681 ...
0.39974992 1.94167454 1.94157153]
[1.87387299 0.          0.88260977 ...
1.97641089 0.34423829 0.62136946]
[1.87994681 0.88260977 0.          ...
1.92888569 0.61424751 0.3132092 ]
...
[0.39974992 1.97641089 1.92888569 ... 0.
1.99887468 1.989045 ]
[1.94167454 0.34423829 0.61424751 ...

```

```

1.99887468 0.          0.31304952]
[1.94157153 0.62136946 0.3132092 ... 1.989045
0.31304952 0.          ]]
[[0.          1.74779862 1.90622664 ...
0.04242641 1.19134378 1.9745126 ]
[1.74779862 0.          1.39817739 ...
1.75436598 1.46331815 1.18232821]
[1.90622664 1.39817739 0.          ... 1.9294818
1.53081678 0.31208973]
...
[0.04242641 1.75436598 1.9294818 ... 0.
1.22780292 1.99712293]
[1.19134378 1.46331815 1.53081678 ...
1.22780292 0.          1.48761554]
[1.9745126  1.18232821 0.31208973 ...
1.99712293 1.48761554 0.          ]]
[[0.          1.93424404 1.88026594 ...
0.09848858 0.16613248 1.9532025 ]
[1.93424404 0.          0.68665858 ...
1.96697738 1.97          0.46400431]
[1.88026594 0.68665858 0.          ...
1.90622664 1.93458006 0.31208973]
...
[0.09848858 1.96697738 1.90622664 ... 0.
0.09433981 1.9745126 ]
[0.16613248 1.97          1.93458006 ...
0.09433981 0.          1.98861761]
[1.9532025  0.46400431 0.31208973 ... 1.9745126
1.98861761 0.          ]]
[[0.          0.93818975 0.74572113 ...
1.80845238 1.85717527 0.66174013]
[0.93818975 0.          0.40459857 ...
1.99506892 1.99381544 0.30675723]
[0.74572113 0.40459857 0.          ...
1.96045913 1.9501282  0.31208973]

```

```

...
[1.80845238 1.99506892 1.96045913 ... 0.
0.17832555 1.99784884]
[1.85717527 1.99381544 1.9501282 ...
0.17832555 0. 2.01216302]
[0.66174013 0.30675723 0.31208973 ...
1.99784884 2.01216302 0. ]]
[[0. 0.84077345 0.61106464 ...
1.89773549 1.8574714 0.53347915]
[0.84077345 0. 0.38327536 ...
1.93961336 1.94589311 0.3324154 ]
[0.61106464 0.38327536 0. ...
1.94211225 1.92046869 0.28879058]
...
[1.89773549 1.93961336 1.94211225 ... 0.
0.14142136 1.97595547]
[1.8574714 1.94589311 1.92046869 ...
0.14142136 0. 1.96540072]
[0.53347915 0.3324154 0.28879058 ...
1.97595547 1.96540072 0. ]]
[[0. 1.69059161 1.78563714 ...
0.46583259 0.58017239 1.82934414]
[1.69059161 0. 0.45387223 ...
1.23494939 1.97795349 0.4110961 ]
[1.78563714 0.45387223 0. ...
1.36334148 1.9588517 0.3082207 ]
...
[0.46583259 1.23494939 1.36334148 ... 0.
0.86417591 1.38336546]
[0.58017239 1.97795349 1.9588517 ...
0.86417591 0. 2.00402096]
[1.82934414 0.4110961 0.3082207 ...
1.38336546 2.00402096 0. ]]
[[0. 1.93641421 1.95245999 ...
1.73798734 0.10677078 1.98522039]

```



```

[1.93641421 0.          0.30626786 ...
0.54927225 1.92605815 0.48764741]
[1.95245999 0.30626786 0.          ...
0.65061509 1.95783043 0.3082207 ]
...
[1.73798734 0.54927225 0.65061509 ... 0.
1.7356843  0.53786615]
[0.10677078 1.92605815 1.95783043 ... 1.7356843
0.          2.000025  ]
[1.98522039 0.48764741 0.3082207  ...
0.53786615 2.000025  0.          ]]
[[0.          1.92431806 1.94920497 ...
0.52630789 0.35749126 1.98708329]
[1.92431806 0.          0.18547237 ...
1.74745529 1.92981864 0.38613469]
[1.94920497 0.18547237 0.          ...
1.81791089 1.92161391 0.27910571]
...
[0.52630789 1.74745529 1.81791089 ... 0.
0.81498466 1.85825187]
[0.35749126 1.92981864 1.92161391 ...
0.81498466 0.          1.92989637]
[1.98708329 0.38613469 0.27910571 ...
1.85825187 1.92989637 0.          ]]
[[0.          1.96252389 1.94779362 ...
0.08306624 1.34977776 1.99807407]
[1.96252389 0.          0.4586938  ... 1.9800505
1.72927731 0.38209946]
[1.94779362 0.4586938  0.          ...
1.95821347 1.58164471 0.27349589]
...
[0.08306624 1.9800505  1.95821347 ... 0.
1.28957357 2.00234862]
[1.34977776 1.72927731 1.58164471 ...
1.28957357 0.          1.52433592]

```

```

[1.99807407 0.38209946 0.27349589 ...
2.00234862 1.52433592 0.          ]]
[[0.          1.91648115 1.92800415 ...
0.36262929 1.05782796 1.98295234]
[1.91648115 0.          0.5654202 ...
1.78756818 1.88109011 0.61090097]
[1.92800415 0.5654202 0.          ...
1.87709883 1.69204019 0.36619667]
...
[0.36262929 1.78756818 1.87709883 ... 0.
1.34227419 1.96402648]
[1.05782796 1.88109011 1.69204019 ...
1.34227419 0.          1.61657044]
[1.98295234 0.61090097 0.36619667 ...
1.96402648 1.61657044 0.          ]]
Traceback (most recent call last):

```

```

File "<ipython-input-45-de3510f372e6>", line
1, in <module>
    runfile('F:/project/python/AR/
clusterData.py', wdir='F:/project/python/AR')

```

```

File "E:\ananconda\lib\site-packages
\spyder_kernels\customize\spydercustomize.py",
line 668, in runfile
    execfile(filename, namespace)

```

```

File "E:\ananconda\lib\site-packages
\spyder_kernels\customize\spydercustomize.py",
line 108, in execfile
    exec(compile(f.read(), filename, 'exec'),
namespace)

```

```

File "F:/project/python/AR/clusterData.py",
line 185, in <module>

```

```
cluster.clusterData(filePath)
```

```
File "F:/project/python/AR/clusterData.py",  
line 177, in clusterData  
    print(label_result.shape)
```

AttributeError: 'NoneType' object has no
attribute 'shape'

In [46]:

In [46]: