```
>> load('simple_graph.mat')
>> load('simple_graph.mat')
>> load('simple_graph.mat')
>> load('small_graph.mat')
>> load('simple_graph.mat')
>> load('small_graph.mat')
>> greedy(F, W, 1, 1)
ans =
                   0
     1
            0
     1
            0
                   0
     0
            0
                   1
     0
            1
                   0
     1
            0
                   0
     0
            1
                   0
     1
            0
                   0
     0
                   0
            1
     0
            1
                   0
                   1
>> F
F =
     1
            0
                   0
     0
            1
                   0
     0
            0
                   1
     0
            1
                   0
     1
            0
                   0
                   0
     1
            0
     0
            1
                   0
     0
            1
                   0
     1
            0
                   0
     0
            0
                   1
>> W
W =
     0
            1
                   1
                          0
                                 0
                                        0
                                               0
                                                      0
                                                             0
                                                                    0
     1
            0
                   1
                          1
                                 0
                                        0
                                               0
                                                      0
                                                             0
                                                                    0
     1
            1
                   0
                          0
                                 0
                                        0
                                               0
                                                      0
                                                             0
                                                                    0
     0
                   0
                          0
                                        0
                                               1
                                                      0
                                                             0
                                                                    0
            1
                                 1
     0
            0
                   0
                          1
                                 0
                                        1
                                               1
                                                      0
                                                             0
                                                                    0
     0
            0
                   0
                          0
                                 1
                                        0
                                               1
                                                      0
                                                             0
                                                                    0
     0
            0
                   0
                          1
                                 1
                                        1
                                               0
                                                      0
                                                             1
                                                                    0
     0
            0
                   0
                          0
                                 0
                                        0
                                               0
                                                      0
                                                             1
                                                                    1
     0
            0
                   0
                          0
                                 0
                                        0
                                               1
                                                      1
                                                             0
                                                                    1
     0
                                                      1
            0
                   0
                          0
                                 0
                                        0
                                               0
                                                             1
                                                                    0
>> plot(W)
>> G = graph(W)
G =
  graph with properties:
```

```
Edges: [13×2 table]
    Nodes: [10×0 table]
>> plot(G)
>> F
F =
     1
            0
                   0
     0
            1
                   0
     0
            0
                   1
     0
                   0
            1
            0
                   0
     1
            0
                   0
     1
            1
                   0
     0
     0
            1
                   0
     1
            0
                   0
     0
            0
                   1
>> greedy(F, W, 1, 100)
ans =
     0
            0
                   1
     0
            0
                   1
     0
            0
                   1
     0
            0
                   1
     0
            1
                   0
     0
            1
                   0
     0
            1
                   0
     0
                   0
            1
                   0
     0
            1
                   0
     0
            1
>> F
F =
     1
            0
                   0
     0
            1
                   0
     0
                   1
            0
     0
            1
                   0
     1
            0
                   0
     1
            0
                   0
     0
            1
                   0
     0
            1
                   0
     1
            0
                   0
     0
            0
                   1
>> greedy(F, W, 1, 1)
ans =
     1
            0
                   0
     1
            0
                   0
     0
            0
                   1
     0
            1
                   0
                   0
     1
            0
```

```
0
     0
            1
                  0
     1
           1
                  0
     0
                  0
     0
            1
                  1
>> greedy(F, W, 1, 10)
ans =
     0
           0
                  1
     0
           0
                  1
                  1
     0
           0
                  1
     1
           0
     1
           0
                  0
     1
           0
     0
            1
                  0
            1
>> greedy(F, W, 0.1, 10)
ans =
     1
                  0
     0
           1
                  0
     0
                  1
           1
     1
           0
                  0
     1
                  0
     0
           1
                  0
     0
            1
     1
                  0
     0
           0
                  1
>> greedy(F, W, 0.5, 10)
ans =
     1
           0
                  0
     0
     0
           0
                  1
     0
                  0
           1
     1
           0
                  0
     1
           0
                  0
     0
           1
                  0
     0
           1
                  0
     1
           0
                  0
     0
           0
                  1
>> greedy(F, W, 1, 10)
ans =
     0
           0
                  1
     0
           0
                  1
                  1
```

```
0
      0
             1
1
      0
             0
1
      0
             0
1
      0
             0
            0
0
      1
             0
0
      1
0
```

>> greedy(F, W, 1, 100)

ans =

>> greedy(F, W, 1, 1000)

ans =

>>