```python
from gini import *
size = (5, 5)
mat = np.random.choice([1,0],size)

orbi = OrBi(mat)
print(f'bicluster gini is: {orbi.gini_mu([2,3],[2,3])}')
```

Columns

	0	1	2	3	4
0	1	1	0	0	1
1	1	1	1	1	0
2	1	0	0	0	0
3	1	0	1	0	0
4	0	0	0	1	0

```
[[0 0]
 [0 1]
 [1 0]
 [1 1]] [0 4 3 1] [2 1 1 1]
```
Partitions of columns on row

	0	1
2 **0**	0	0
1 **4**	0	1
3	1	0
1	1	1

For row partitions on cols of[2, 3]:

```
gini : 0.72
gini_m : 0.9199999999999999
```

	0	1	2	3	4
0	1	1	0	0	1
1	1	1	1	1	0
2	1	0	0	0	0
3	1	0	1	0	0
4	0	0	0	1	0

Partitions of rows on columns
```
[[0 0 1]
 [0 1 1]] [1 2 0] [3 1 1]
```

3 **1**		
1 **2**	0	

```
      3 1

        1 2 0
   _____
 0  0  0  1

 1  0  1  1
```

For column partitions on cols of[2, 3]:

                    gini : 0.5599999999999999
                    gini_m : 0.94
bicluster gini is: 0.9952