In [1]:
```
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])}')
```

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

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

```
[1 2 4]
For row partitions on cols of[2, 3]:

                gini : 0.5599999999999999
                gini_m : 0.3999999999999999
```

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

```
[[0 0 1]
 [0 1 0]] [0 4 1] [2 1 2]
```

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

```
[1 2 2]
For column partitions on cols of[2, 3]:

                gini : 0.6399999999999999
```

```
                    gini_m : 0.43999999999999995
bicluster gini is: 0.6639999999999999
```

In [ ]: