1. P = 3

```
N =

     2


ROC =

     0     3
     3   Inf


C =

     0
     1


S =

     1
     0
```

2. P = .1

```
N =

     2


ROC =

         0    0.1000
    0.1000       Inf


C =

     0
     1


S =

     1
     1
```

3. P = 0

```
N =

     1


ROC =

     0   Inf


C =

     1


S =

     1
```

4. P = [0, .5]

```
N =

     2


ROC =

        0    0.5000
    0.5000       Inf


C =

     0
     1


S =

     1
     1
```

5. P = [2, -.5]

```
N =

     3


ROC =

         0    0.5000
    0.5000    2.0000
    2.0000       Inf


C =

     0
     0
     1


S =

     1
     1
     0
```

6. P = [.5 -.5]

```
N =

     2


ROC =

         0    0.5000
    0.5000       Inf


C =

     0
     1


S =

     1
     1
```

7. P = [2 2 2]

```
N =

     2


ROC =

     0     2
     2   Inf


C =

     0
     1


S =

     1
     0
```

8. P = [0 1 2]

```
N =

     3


ROC =

     0     1
     1     2
     2   Inf


C =

     0
     0
     1


S =

     1
     0
     0
```

9. P = [-.5 j]

```
N =

     3

ROC =

         0    0.5000
    0.5000    1.0000
    1.0000       Inf

C =

     0
     0
     1

S =

     1
     1
     0
```

10. P = [0 j -j]

```
N =

     2

ROC =

     0     1
     1   Inf

C =

     0
     1

S =

     1
     0
```

11. P = [.5, -.5, 2+j, 2-j]

```
N =

     3

ROC =

         0    0.5000
    0.5000    2.2361
    2.2361       Inf

C =

     0
     0
     1

S =

     1
     1
     0
```

12. P = [1+j, 1+2j, 1+3j, 2+j]

```
N =

     4

ROC =

         0    1.4142
    1.4142    2.2361
    2.2361    3.1623
    3.1623       Inf

C =

     0
     0
     0
     1

S =

     1
     0
     0
     0
```