

In [4]:

```
import numpy as np
import matplotlib.pyplot as plt
import scipy.linalg as sla
%matplotlib inline
```

In [16]:

```
A = np.random.rand(10,10)
```

In [17]:

```
P, L, U = sla.lu(A)
```

In [25]:

```
plt.spy(P.dot(L))
```

Out[25]:

<matplotlib.image.AxesImage at 0x1071dc3c8>

