```
In [18]:
from sympy import *
In [19]:
import numpy as np
import galois
In [20]:
GF7 = galois.GF(7)
GF7
Out[20]:
<class 'numpy.ndarray over GF(7)'>
In [22]:
M = GF7([[3, 1, 4, 1], [5, 2, 6, 5], [0, 5, 2, 1]])
In [23]:
GF7. row_reduce(M)
Out[23]:
GF([[1, 0, 0, 4],
    [0, 1, 0, 3],
    [0, 0, 1, 0]], order=7)
In [ ]:
```