A>> A

A =

4 5 1 3

5 8 3 9

1 0 1 0

>> I

I =

1 0 0

0 1 0

0 0 1

>> AI = [A I]

AI =

4 5 1 3 1 0 0

5 8 3 9 0 1 0

1 0 1 0 0 0 1

>> rref(AI)

ans =

1 0 0 -3/2 4/7 -5/14 1/2

0 1 0 3/2 -1/7 3/14 -1/2

0 0 1 3/2 -4/7 5/14 1/2

>> AC = rrefAI(:, [1 2 3 4])

error: 'rrefAI' undefined near line 1 column 6

>> AI2 = rref(AI)

AI2 =

1 0 0 -3/2 4/7 -5/14 1/2

0 1 0 3/2 -1/7 3/14 -1/2

0 0 1 3/2 -4/7 5/14 1/2

>> AC = AI2(:, [1 2 3 4])

AC =

1 0 0 -3/2

0 1 0 3/2

0 0 1 3/2

>> E = AI2(:, [5 6 7])

E =

4/7 -5/14 1/2

-1/7 3/14 -1/2

-4/7 5/14 1/2

>>

>> #Comprobamos que al multiplica la matriz de paso E por la de coeficientes A, nos da la canonica AC

>>

>> #AC = E \* A

>>

>> E \* A

ans =

1 0 0 -3/2

0 1 0 3/2

0 0 1 3/2