

Original matrix

compute reduced row echelon form (without column pivoting)

Equation	Left Hand Side	Right Hand Side
Eq1	100	1000
Eq2	100	1000
Eq3	100	1000

Check

add the zero rows

Equation	Left Hand Side	Right Hand Side	Equation	Left Hand Side	Right Hand Side
			Eq4	0	0
Eq1	100	1000			
Eq2	100	1000			
	0	0	Eq5	0	0
	0	0			
	0	0	Eq6	0	0
	0	0			
Eq3	100	1000	Eq7	0	0
Eq4	0	0			
	0	0	Eq8	0	0
	0	0			
Eq5	100	1000	Eq9	0	0
Eq6	0	0			
	0	0	Eq10	0	0
Eq7	100	1000			
Eq8	0	0	Eq11	0	0
	0	0			
	0	0	Eq12	0	0