

Original matrix

compute reduced row echelon form (rref) of matrix A below:

Equation	Left Hand Side	Right Hand Side
1	$x_1 + 2x_2 + 3x_3$	1
2	$x_1 + x_2 + 4x_3$	2
3	$x_2 + 5x_3$	3

Check

add the missing entries

Equation	Left Hand Side	Right Hand Side	Equation	Left Hand Side	Right Hand Side
			4		
1	$x_1 + 2x_2 + 3x_3$	1			
2	$x_1 + x_2 + 4x_3$	2			
	$x_2 + 5x_3$	3			
			5		
			6		
7			7		
8					
			8		
9			9		
10					
			10		
			11		
			11		
			12		
			12		