

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			
	$2x_2 + 3x_3$		5		
	$x_2 + 5x_3$				
	$x_2 + 5x_3$		6		
	$x_2 + 5x_3$				
7	$x_2 + 5x_3$		8		
8					
	$x_2 + 5x_3$		9		
	$x_2 + 5x_3$				
10			11		
11					
			12		
			13		
			14		
			15		
			16		
			17		
			18		
			19		
			20		