

System has no solution

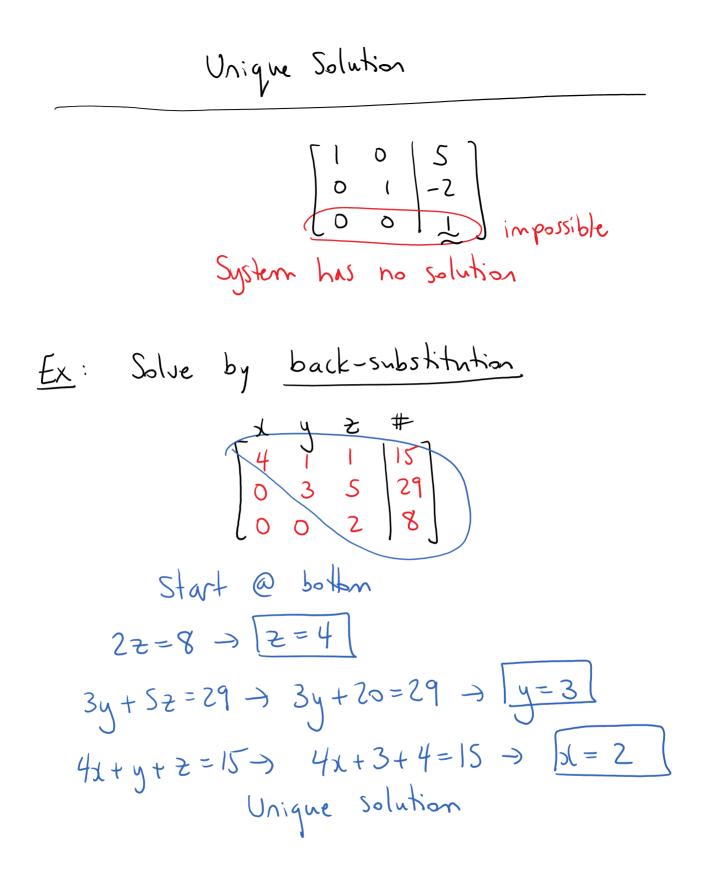
$$\frac{E_{X}}{E_{X}} = \sum_{i=1}^{x} \sum_{j=1}^{y} \sum_{i=1}^{y} \sum_{j=1}^{y} \sum_{i=1}^{y$$

$$\begin{bmatrix} 4 \\ y \end{bmatrix} = \begin{bmatrix} 3/2 \\ 1 \end{bmatrix} + \begin{bmatrix} 4 \\ 0 \end{bmatrix}$$
  
System has infinitely-many solutions  

$$\begin{bmatrix} x & y & y \\ 2 & 3 & | \\ 3 & 4 & | \\ 3 & 4 & | \\ 4 & + \end{bmatrix}$$
  
Get a 1  
Get a 1  
Get o's in Glumn 1  
R\_2-R1  $\begin{bmatrix} 0 & 3 & | & 5 \\ 0 & 3 & | & -8 \end{bmatrix}$   
Get a 1  
R\_2 = 3R1  $\begin{bmatrix} 1 & 0 & | & 5 \\ 0 & 4 & | & -8 \end{bmatrix}$   
Get a 1  
R\_2 = 4R2  $\begin{bmatrix} 1 & 0 & | & 5 \\ 0 & 4 & | & -8 \end{bmatrix}$   
Get o's in Glumn 2  

$$\begin{bmatrix} 1 & 0 & | & 5 \\ 0 & 4 & | & -8 \end{bmatrix}$$
  
Get o's in Glumn 2  

$$\begin{bmatrix} 1 & 0 & | & 5 \\ 0 & 4 & | & -8 \end{bmatrix}$$
  
R\_2 - 4R2  $\begin{bmatrix} 0 & 0 & | & 5 \\ 0 & 1 & | & -2 \end{bmatrix}$   
Unique Solution



2.2 Solving Systems A matrix is in row-echelon form (REF) if: ) any zero rows are at the bottom 1) AND z) the leading nonzero entries of each now move down and right

