Scaled Partial Pluoting Ex.2  $3x_1 + 4x_2 + 3x_3 = 10$   $3x_1 + 4x_2 + 3x_3 = 9$   $x_1 + 5x_2 - x_3 = 7$   $5x_1 + x_2 - 5x_3 = 3$   $6x_1 + 3x_2 + 7x_3 = 15$   $9x_1 + 9x_2 + x_3 = 9$ 3x, + 4x2+3x3=10  $\frac{3}{5}$   $\frac{4}{5}$   $\frac{3}{10}$   $\frac{3}{5}$   $\frac{1}{10}$   $\frac{5}{10}$   $\frac{5}{10}$   $\frac{1}{10}$   $\frac{5}{10}$   $\frac{5}{10}$   $\frac{1}{10}$   $\frac{5}{10}$   $\frac$ scaling = [4,5,7] new ind = [3,1,2] 2nd run order equivalent 3 5/2 dy - rus 2 (2) 6 3 7 5 6 0 79 ×3 = 0

Bude substitution

$$X_3 = 0$$
  
 $5 \times_2 + 0 = 5 \times_2 = 1$   
 $6 \times_1 + 3(1) + 0 = 15$   
 $-3$ 

$$6x_1 = 12$$
  $x_1 = 2$