CS 3010 HV#Z 1. $3x, +4x_2 +3x_3 = 10$ $1x, +5x_2 -3x_3 = 7$ $6x, +3x_2 +7x_3 = 15$ $R_{1} - 2 + R_{2} = 7$ $0x, +3x_2 + 7x_3 = 15$ $R_{1} - 2 + R_{2} = 7$ $0x, -5x_2 + x_3 = -5$ -60 + 27:17 3x 14x +3x3=10' Back Sch: 17x3: 6 => x3=0 12. 11+13. 0x, +3x3=13 15 10 3x, +4(1)+7(1)=10=>x3=0 >0x, 10x +3x3=0 3x, +4(1)+7(1)=10=>x3=2 x,=2; x=1; x=9 $\frac{2}{3} \frac{3}{3} \frac{3}{4} + \frac{4}{2} \frac{13}{4} \frac{3}{4} = 10$ $\frac{(\frac{1}{5}) |x_1| + 5 x_2 - 3 x_3}{(\frac{1}{5}) |6x_1| + 3 x_2} = 7$ SF=[4,5,7] Ind:[1,1,7] 1nd = [3,7,1] R1 -- 2 + R3 => Øx, -5 x2 + 1x3 = -5 Q1 .-6 + Q7 => dx, -27x2 +25x2 = -27 6x, +3x2 + 7x2 = 15 Øx, -5x2 + 1x3 = -5 Ind: [3,1,2] Pr. (=3) + P, => Dx, + 0x2 + 58 x= d 6x +3x2 + 7x2 = 15 Back Sub! 27×1= 1 => x7=6 -5x2 +1(1) = -5 => x2 = 1 6x, 13(1) +7(8)=15=)x,=2 x,=2; xz=1; xz=0