

NEXT LP: How big can xigo? Subject to $X_2 = 2 + X_1 - X_3$ max 4+3x, -2x3 X4 = 6 - X3 00 3 X5 = 3 - X1 Sol'n 2: (0,2,0,6,3) valu: 4+3x,-2x3 = 4 = x, +2.x2 (c1=3) (2=0, C3=-2 Rvot on X, solve for X, X, = 3 - X5 + Substitute Next LP: max 4+3(3-x-)-2x. =419 - 3x5 -2x3 = 13 - 3xx - 2x3 Subject to: $X_2 = 2 + (3 - xr) - x_3$ = 5 - x_3 - x_r $x_4 = 6 - x_3$ $x_1 = 3 - x_5$ x; 20 Basic variables: x3,x5 Non basics: X,, Xz, X4 Solin 3: (3,5,0,6,0) value: 13-3x5-2x3=13=3+2.5 X2=3 try it again, constraint.