X 12 the road between 0, and 0,	2) X GIR =) X = X' - X''
is the road between 0, and 03	=> *, \x, >, 0
X the road between 0, and 0,	More Z = x - x = 2x = x 4
the road between of and of	x,'-x,'+x,+2x, (3
· Olzective function	-x1+x1-x2-x3-2x415-3
Thin Z = 8 x + 6 x + 10 x 3	$\frac{2(x_1^2)(x_2^2)^2-x_2}{-2(x_1^2)(x_2^2)^2+2(x_1^2)^2+2(x_2^2)^$
Constraints	-3x'+3x"-2x+3x4<-2
X + X + X = 2000	x', x', x_2, x_3, x_4
X2 + X = 2500	x E R =) x = x'-x"
X + X = 1500	>> x', x' > 0
$ \begin{array}{c} $	1 · a > (b =) - a > (> - b
XAN XAL \$ XA3 \ 22 \ 22 \ 23 /10	Question 02
	· Reformulate to stoned and and
(TD 02)	- Reformulate to standard form
Question Os:	Reformulate to standard form X2 EIR, X2 = X1 - X1 => X2, X1 7, 0
Question 01: - Reformulate in cononiest	1 x 2 E 1R, x = x - x "
Question Os:	$X_{2} \in \mathbb{IR}, X_{2} = X_{2}^{1} - X_{2}^{1}$ $= X_{2}^{1}, X_{2}^{1} = X_{2}^{1} - X_{2}^{1}$ $= X_{2}^{1}, X_{2}^{1} + X_{2}^{1} - X_{2}^{1} + X_{2}^{1}$ $= X_{1}^{1} + X_{2}^{1} - X_{2}^{1} + X_{2}^{1} = K$
Question 01: - Reformulate in cononical form (mex):	$X_{2} \in IR_{1}, X_{2} = X_{2}^{1} - X_{2}^{1}$ $\Rightarrow X_{2}^{1}, Y_{2}^{1}, Y_{3}^{2}$ $Mose Z = 2x_{1} - 3x_{2}^{1} + 3x_{2}^{1}$ $2x_{1} + x_{2}^{2} - x_{2}^{2} + 5_{1} = K$ $4x_{1} + 3x_{2}^{1} - 3x_{2}^{2} + 5_{2} = B$
Puestion 01: Reformulate in cononical form (mex): 1) Max Z = -2x - 2x 2x - 3x 2 \ -2 -2x + 3x 2 \ 2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Puestion 01: Reformulate in cononical form (mex): 2) Max Z = -2x - 2x 2 2x - 3x 2 \ -2 -2x + 3x 2 \ 2 4x - x 2 \ 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{c} (7002) \\ \text{Question OL:} \\ \text{Reformulate in cononical} \\ \text{form (mex):} \\ \text{1) Max } Z = -2x_2 - 2x_2 \\ 2x_2 - 3x_2 < -2 \\ -2x_2 + 3x_2 < 2 \\ 4x_2 - x_2 < 3 \\ x_1, x_2 > 0 \end{array}$	$X_{2} \in IR_{n}$, $X_{2} = X_{2} - X_{2}^{n}$ $X_{2} \in IR_{n}$, $X_{2} = X_{2} - X_{2}^{n}$ $X_{2} = X_{2} - X_{2}^{n} + 3X_{2}^{n}$ $X_{2} + X_{2}^{n} - X_{2}^{n} + X_{3}^{n} = K$ $X_{1} + X_{2}^{n} - X_{2}^{n} + X_{3}^{n} = K$ $X_{2} + X_{2}^{n} - X_{2}^{n} + X_{3}^{n} = K$ $X_{3} + X_{2}^{n} - X_{3}^{n} - X_{3}^{n} + X_{3}^{n} = K$ $X_{1} + X_{2}^{n} - X_{3}^{n} - X_{3}^{n} + X_{3}^{n} = K$ $X_{1} + X_{2}^{n} - X_{3}^{n} - X_{3}^{n} - X_{3}^{n} = K$ $X_{2} + X_{3}^{n} - X_{3}^{n} - X_{3}^{n} - X_{3}^{n} = K$ $X_{3} + X_{2}^{n} - X_{3}^{n} - X_{3}^{n} - X_{3}^{n} = K$ $X_{4} + X_{2}^{n} - X_{3}^{n} - X_{3}^{n} - X_{3}^{n} = K$ $X_{5} + X_{5}^{n} - X_{5}^{n} - X_{5}^{n} = K$ $X_{1} + X_{2}^{n} - X_{3}^{n} - X_{3}^{n} - X_{3}^{n} = K$ $X_{2} + X_{3}^{n} - X_{3}^{n} - X_{3}^{n} - X_{3}^{n} = K$
Question 01: • Reformulate in conomical- form (max): 1) Max Z = -2x - 2x 2x - 3x 2 \ -2 -2x + 3x 2 \ 2 Ux - X 2 \ 3 X1, x2 / 0 Rules: ax \ b	$X_{2} \in IR_{1}, X_{2} = X_{2} - X_{2}^{"}$ $X_{2} \in IR_{1}, X_{2} = X_{2}^{"} - X_{2}^{"}$ $X_{2} = X_{2}^{"} - X_{2}^{"} + X_{2}^{"}$ $X_{3} = X_{2}^{"} + X_{2}^{"} + X_{2}^{"}$ $X_{3} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{4} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{"} = X_{5}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{"} = X_{5}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{"} = X_{5}^{"} = X_{5}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{$
(TD 02) Question 01: Reformulate in conomical form (mex): 1) Max Z = -2x - 2x 2x - 3x 2 \ -2 -2x + 3x 2 \ 2 4x - x 2 \ 3 X1, x 2 > 0 Rules:	$X_{2} \in IR_{1}, X_{2} = X_{2} - X_{2}^{"}$ $= X_{2} + X_{2}^{"} + X_{2}^{"}$ $= X_{3} + X_{2}^{"} + X_{3}^{"}$ $= X_{3} + X_{2}^{"} - 3X_{2}^{"} + X_{3}^{"} = K$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} + S_{2} = B$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2}^{"} - 3X_{2}^{"} - S_{3} = G$ $= X_{3} + 3X_{2} + 3X_{3}^{"} - S_{3} = G$ $= X_{3} + 3X_{2} + 3X_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + S_{3} + S_{3} + S_{3} = G$ $= X_{3} + 3X_{3} + S_{3} + $
Question 01: • Reformulate in conomical- form (max): 1) Max Z = -2x - 2x 2x - 3x 2 \ -2 -2x + 3x 2 \ 2 Ux - X 2 \ 3 X1, x2 / 0 Rules: ax \ b	$X_{2} \in IR_{1}, X_{2} = X_{2} - X_{2}^{"}$ $X_{2} \in IR_{1}, X_{2} = X_{2}^{"} - X_{2}^{"}$ $X_{2} = X_{2}^{"} - X_{2}^{"} + X_{2}^{"}$ $X_{3} = X_{2}^{"} + X_{2}^{"} + X_{2}^{"}$ $X_{3} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{4} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{2}^{"} - X_{2}^{"} + X_{2}^{"} = X_{2}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{"} = X_{5}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{"} = X_{5}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{"} = X_{5}^{"} = X_{5}^{"}$ $X_{5} + X_{5}^{"} - X_{5}^{"} - X_{5}^{"} = X_{5}^{$

