Istrate Alexandra-Joana gr 222

Examen CO

$$\int \inf_{-x_1+x_2+x_3} (-x_1-x_2)$$

$$-x_1+x_2+x_3=58$$

$$x_1+x_2+x_4=42$$

$$x_j \ge 0 , j=1, 34$$

B pramal admisibila?

I kindgrome on

CB	NB	NUB	1×1
0	1×3	58	-1 /2 /×3 /×4
(-0	X4	42 /	TI
	7	0	11000

$$X_1: J_2(-1)^2(-1)$$
 $X_2: J_2(1)^2(1)$
 $X_3: J_2: (0)^2(0)$
 $X_4: J_2: (0)^2(0)$
 $X_4: J_2: (0)^2(0)$
 $X_5: J_2: (0)^2(0)$
 $X_6: J_2: (0)^2(0)$

Zi-c, =1>0 =) Testal de optim nu e indeplinit Test de optim infinit:

$$y_{2}^{B} = (1) \neq 0$$
 $y_{2}^{B} = (1) \neq 0$
 $y_{2}^{B} = (1) \neq 0$
 $y_{2}^{B} = (1) \neq 0$
 $y_{3}^{B} = (1) \neq 0$
 $y_{4}^{B} = (1) \neq 0$
 $y_{5}^{B} = (1) \neq 0$

$$2^{8}_{2}-c_{2}$$
 $(0-1)(^{0}_{1})_{2}-1$
 $(0-1)(^{2}_{1})_{2}-1$

Test de gotim

ZB-C2=-160

Ly îndeplimit

ZB-C4=-160

Ly îndeplimit

Cout sol. optime:

Jan xx = xx = 0 $\begin{cases} -x_{1} + x_{3} = 58 = 0 \times 3 = 100 \\ = 0 \times 1 = 42 \end{cases}$ Sol optima: XI=42 X3 = 100 X2=X4=0 este Euz Val optima

(3)

1. 4) D= 12,49 Ze-R2=1-(-1)=0, 2ER=) sol optima nue unica x sol admissibila (=) { -x1+x2+x3=5-f x1+x2+x4=42 xj ≥0 j=1,4 x j (Zj-cj)=0 + j ∈ R (=> { x x 2·(-1)=0 | => x y =0 => (-X1+X2+X3=58) X1+ X2=42 X420 (xj 20 s j 2 1 3 $x_{N} = \lambda \Rightarrow \begin{cases} x_{2} = 42 - \lambda \geq 0 \Rightarrow \lambda \leq 42 \end{cases}$ w > 20 (x3=58+ 2-42+ 20 => 22-8 12-8 Multimea sol: 9= { (1, 42-), 8+2,0)]) [[0,42]}