(L)
$$| \begin{array}{c} w_{0} \times z_{L}(x) = x_{1} + x_{2} \\ -x_{1} - x_{2} \times z_{1} \\ x_{1} - 2x_{2} \leq 2 \\ x_{2} > 0 \end{array}$$

a) na nu monce coordenumania kanonuma zagaza (K);

8) Na nepeme mnoncecmbono oru outrina num premenus
n outrina nua ma em-m na njenebata fyricijus na
Zagarute (K) u (L) kamo usuonzbate taskutna popua na CM.

Pewerue: a)
$$x_1 = x_1^+ - x_1^-$$

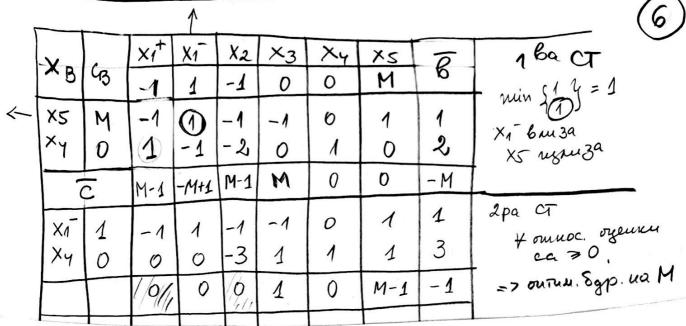
win $Z_k(x) = -x_1^+ + x_1^- - x_2$
 $-x_1^+ + x_1^- - x_2 - x_3 = 1$
 $x_1^+ - x_1^- - 2x_2 + x_4 = 2$
 $x_1^+ > 0, x_1^- > 0, x_2 > 0, x_3 > 0, x_4 > 0$

8) (K) UNA TACTUREN SABUC X4. DOSABQUE UBRYCTELNA променива ХБ 4 минем

(M) min
$$2u(x) = -x_1^+ + x_1^- - x_2 + \mathcal{U} \times 5$$

 $-x_1^+ + x_1^- - x_2 - x_3$ $+x_5 = 1$
 $x_1^+ - x_1^- - 2x_2$ $+x_4 = 2$
 $x_1^+ = 0, x_1^- = 0, x_2 = 0, x_3 = 0, x_4 = 0$

номпо е в бъщем вид шрямо истаки бъще \$x5, x4}



$$x^{*}_{M}(0,1,0,0,3,0) \qquad z^{*}_{M} = z(x^{*}_{M}) = 1$$

$$d^{*}_{1M}(1,1,0,0,0,0) \quad om \quad \overline{c} \times i = 0$$

$$d^{*}_{2M}(0,1,1,0,3,0) \quad om \quad \overline{c} \times i = 0$$

$$= \sum_{X^{*}_{K}} (0,1,0,0,3) \qquad z^{*}_{K} = z(x^{*}_{K}) = 1$$

dik (1,1,0,0,0)

dik (0,1,1,0,3)

dik ////
xxx dax

I pew. na (k) a x* + t 1 di k + t 2 de k 3a + 1 = 0, + 2 = 0

 $= 7 \times^{2}_{L} (-1,0)$ $= 7 \times^{2}_{L} (-1,0)$

У реш. na (L) ca х L + t2d2 L 3a t = 0 при всека богие, от вида (-1-t2, t2) за t2 = 0,

T. e H-mo ot premenne us (L) e 184.

X L dal

34 zagaras (L): 6) nammenne gbor neur benara zaga 40 (DZ); 1) namo nynongbaie CT or nogrance S), посогете едно оптимално ришение на (ДГ) и оппин. ет-т на пейната зелева ф-ия. Pemeraie: me rule:

(a) $(L) \rightarrow (L)$ $(L) \rightarrow (L)$ $(L) \times 1 + \times 2 = 1$ $(L) \times 1 - 2 \times 2 = 2$ $(L) \times 2 = 0$ $\begin{array}{c|c} (DL) & min - II_1 + 2II_2 \\ \hline II_1 + II_2 &= 1 \\ \hline II_1 - 2II_2 & 7.1 \\ \hline II_1 - 7.0, II_2 & 7.0 \\ \end{array}$ ua (K) e: 2) Dbounembenare (2K) max $y_1 + 2y_2$ $-y_1 + y_3 \leq -1$ $y_1 - y_2 \leq 1$ $-y_1 - 2y_2 \leq -1$ $-y_1 \leq 0$ $y_2 \leq 0$ $| \max_{y_1 + 2y_2} y_1 + 2y_2 |$ $= 7 (JR) | y_1 - y_2 = 1$ $-y_1 - 2y_2 = -1$ $y_1 = 0, y_2 = 0$ upo nennuluire Popognara menegy ka (21) u (2K) e (#) $(\Pi_1, \Pi_2) = (y_1, -y_2)$

последната симиненсиа таблица upni premabane na (K), za preme mue ha (DK) nongrobane y* = Co B = [1.0] [1] = [1.0] OT bposkata (#) za pennence na (DL) unque $\pi^* = [1,0].$ DWTUM. et-1 na year. of-us ua (DL) e: -1.1 = -1Coujait Kaso Z L. 8 6 7 9 SW (111. 112) (1/10 /2)