Danuer Meanol Xaracel; &H:62547, Kype I Cheyuantoum, Cooperin- unmereporte 6 2 5 4 7

F = 10(c+1) + 0 = 10(4+1) + 2 = 52G = 10 (d+1)+6= 10 (7+1)+5 = 85

max = (x)= 3x, -7/2-x3+x4

$$\frac{2}{2}(x) = -3x_{1} + 7x_{2}^{+} - 7x_{2}^{-} + x_{3} - x_{4} \rightarrow min$$

$$-8x_{1} - x_{2}^{+} + x_{2}^{-} + 1x_{3}^{-} - 3x_{4} - x_{5}^{-} = 85$$

$$-2x_{1} - 4x_{2}^{+} + 4x_{2}^{-} - x_{4}^{-} = 3$$

$$x_{4} + 1x_{6} = 52$$

$$x_{1}, x_{1}^{+}, x_{2}^{-}, x_{3}, x_{4}, x_{5}, x_{6} \ge 0$$

$$\begin{cases} -8x_1 - x_2^{\dagger} + x_3^{\dagger} - 7x_2^{\dagger} + x_3 - x_4 + M. x_7 \rightarrow min \\ -8x_1 - x_2^{\dagger} + x_2^{\dagger} + x_3^{\dagger} - 3x_4 - x_5 &= 85 \\ -2x_1 - 4x_2^{\dagger} + 4x_3^{\dagger} & -x_4 & +x_4^{\dagger} = 3 \\ x_4 & +x_6 &= 52 \end{cases}$$

		X	Xz+	X2	Х3	X4	X ₅	XE	XZ				
XB	CB	-3	7	-7	4	-3	0	0	M	9			
X ₃	1	78	-4	1	7	-3	-1	D	0	85			
Xz	M	-2	-4	4	0	-1	0	0	7	3			
X6	0	10	0	0	0	1 1	0,	1	0	521			
7		2M+5	8744	-844	0	M+2	1	0	0			0	
X3	1	-15/2	0	0	1	-11/4	-1	0	-114	337/4	-> X1,2/	3/4	
Xa	-7	-1/2	-1	1	0	-114	0	0	1/4	3/4	7, 4	337/4	
X6	0	0	0	0	0	1	0	1	0	52		0 0 1	
E	11/1/1	1	0	0	Q	0	1	0	Mtz	-79		10/-48	teo
×3				10000						909/4		Y7=> (). K.
Ya	-1									55/4			
Y4	-1									52 d T 316/4=19	(*,)	12 + y = x 3 Y 4	Ys Y 6 Y1
										316/4=19	=(0)	1,1,0,0,6	0,0,0)
											1,0		
							=			X.**	0		
										XH =	909/	4	
											52		
			1	er Fernandskrider		- militari manana					0		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$													
$55/4$ $3/4$ $=$ $-55/4$ $X_L = -3/4$ $337/4$													
$\begin{bmatrix} 303/7 \\ 52 \end{bmatrix}$ $\begin{bmatrix} 307/7 \\ 0 \end{bmatrix}$ $\begin{bmatrix} 307/7 \\ 52 \end{bmatrix}$													
$\begin{pmatrix} 0 \\ 52 \end{pmatrix}$													
вигии решения на L са оч вида хХх + (-1) Xx + te (0) = вижние (2) - ке ок (2) - ке ок (3) - ке ок (4) - 55/4) - 2 + 79 = 7 7 = 79 > min													
$= \left[\begin{array}{c} 0 \\ 1 \\ -3/4 \\ 0 \end{array} \right] + \left(1 - n \right) \left(\begin{array}{c} 0 \\ -55/4 \\ 337/4 \\ 0 \end{array} \right) + \left(1 - n \right) \left(\begin{array}{c} 0 \\ -55/4 \\ 309/4 \\ 52 \end{array} \right) $ $u \overrightarrow{Z}_{H}^{*} = +79 = 7 \overrightarrow{Z}_{K}^{*} = 7 = 7 \Rightarrow min$													
7	n (-3/	4 +	(1-n)	755	5/4		u	34 = 1	79 =	7 Fk= FL	z - 7g	> muy	
	337	14		5	314 2 /								

(2)
$$V(y) = -85 J_1 + 3 J_2 + 5 2 J_3 \rightarrow min$$

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 $0\pi lumm. \tau o comma: c_B . B' = (1, -7, 0) \begin{pmatrix} 1 & -1/4 & 0 \\ 0 & 1/4 & 0 \\ 0 & 0 & 1 \end{pmatrix} =$

=(1,-2,0) \Rightarrow $J^*=(1,-2,0)$ - c_0 broga c uzbog we rope

(DK)(=1(DL)(=) [J1=J1; J2=-J2; J3=-J3=) J= (1,2,0)

 $V(42,0) = -85 + 3.2 + 0.52 = -85 + 6 = +79 \Rightarrow 7 = 7 = 79 \Rightarrow min$ = $V(y^*) \Rightarrow 7 = 79 \Rightarrow 0$

V*= 21 >> podom um che ispabun 40, zongo TO DL u L unom egno u congo ommunea 40- p-e noto cinosi Ha yearb. \$69

Benzuen ominumentu p-9 ce our mozu bup, r. e X4=52 => 30 X4=42 HAME go ce gocinyette oninum. exositocy=> 4e