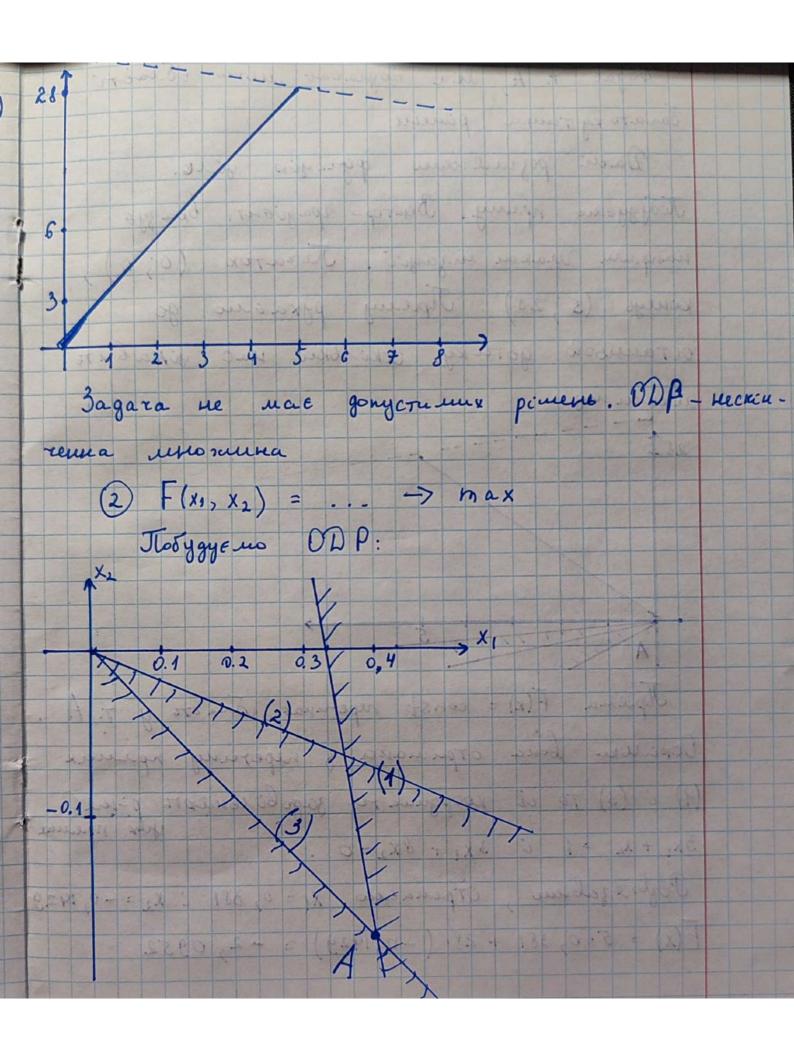
Sopac Slazap, TMJ - 42 B - 28) Графічний метод f(x1, x2) = 5 x1 + 28 x2 -> extz $\begin{cases} 3 \times_{1} + \times_{2} & 7 & 1 \\ 5 \times_{1} + 28 \times_{2} & \leq 10 \end{cases} (1)$ $\begin{cases} 3 \times_{1} + 8 \times_{2} & \leq 10 \\ 3 \times_{1} + 8 \times_{2} & \leq 15 \end{cases} (3)$ (1) f(x, x2) = > min Hodygyenors OD3:

Menei OD3: na spaging (nonepegusary gogab Torku A Ta B gul zazna renne Області бага токутичка рішень Dan poznereno pinkyi p yini. Todygyeno nelly, eka bignobigae zuarenne ф-уст. Дектор-градівит, побудований з roequiyi enrib quaryii yini brazye manpe nok Marcunizayit. Horator bertopa - T. (0;0), Keneys - (5;28). Pyxaeno yo npeny naparentero i organio ci pyxatie go nepuoro gotuscy, ockilbian nac giscabie 76 minima Holle la rpaginy ye rpeua nogea rema nyer rupou.



Dogab r. A, eka nograzas memi oblaco дагато ку тинка рішень Daar poznelseems opgekyis yill. Thotogyeur nouny. Bentop- upagient. Brazye Hanpen. makan vinzagiri. Toratok (0;0), Kineys (5; 28). Thereny pyxa6 400 go Останивого дотику осківьки нас уклавить Makar myn. of me government and an arapac A 4 5 40 80 10 10 Ilpena F(x) = const neperunas obracos y 7. A Ockalben bona otpunana z neperuny npenux (1) i (3) TO it koopguna res jagobi comepre p-me 3v + v = 1 1 2v + ev - C 3x1 + x2 = 1 5 3x1 + 8x2 = 0. Pozlie zabem , OTpuna Enco X1 = 0, 381 i X2 = -0, 1429 F(x) = 5.0,381 + 28. (-0,1429) = -2,0952

(2) - X1 + 28 X2 + 2 X3: (->) max (-): (-) -5 X1 - X2 + 2 X3 7 50 (1) X10-13 X3 0= 3 & : (00) - (2) (X) + 2 ×2 2 2 (3) Tymbegeno auteury y burneg repibrocret 3 B (1) blogues Tayrary zurney x4 -B (3) bhogusio Jazuany zminny 15 (5 x + x = 2 x 3 + x 4 = -50 d 200 X10-13x3id= 3ming xming it it $-x_1 - 2x_2 + x_5 = -2$ Pozum pera na Tpuye :- x Ela- x 5 1 -2 1 0 -5 1 0 -3 0 0 3 Tpublge no auc reny go ognera enoi marpin uegon supganiberne neperbopens Die Jaguary zuinny noma beern xs, xx, x5 Pozgorommi eveneur = -3: X + 25 - X -

5. (1.(-2)): (-3) 1(0.(-2)): -3 -2-(-3.-2): -3 0 -5(3.-2): 1: -3 0:3-3 0 0 3:-3 -1-(1.0);-3 -2-(0.0):-3 0 1-(0.0):-3 -2-(3.0): Orpung Euro resby ma Tpuyes i 13/34 1 500 1 57 -1/3 0 0 0 0 0 0 0 -1 -1 x -2 -2 0 000 1/2 -2 0 Осконни в систем е одиничи и патрине l'exocti базисиих зиших візьшено X= (4,3,5) $x_4 = -13/3 x_1 - x_2 - 7$ X3 = 1/3 X1 -1 x5 2 X1 + 2X2 - 2 8 0 Tigerabuno y gynkyis yils: F(x) = -1/3 x1 + 28x2 - 2 13/3 X1 + X2 + K4 = -7 -1/3 ×1 + ×3 = -100 00000 $-X_{1}-2X_{2}+X_{5}=-2$

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Xo = 1/3 · (-xi) - 28 (-x2)
X, = 0 - 1(-x1) + 0 (-X2)
x_{2} = 0 + 0(-x_{1}) - 1(-x_{2})
X3 = -1 - 1/3 (-x1) + 0 (-x2)
X4 = -7 + 13/3 (-x1) + 1 (-x2)
 45 = -2 - 1 (-x1) - 2 (-x2)
Dassir cucremi bignobigas ratinge To
   0 -1
 0
-1 -1/3 0
                 20000
-7 13/3 1
   -1 -2
 3 exocti reampablilorono budepeno crobirun x,
 Obrucu un Di no pegicax ex racony big gillune
li / ais i à une bidepens reacureme
  X_1 = 2 - x_5 + 2X_2
  No= - 2/3 +0(-x5) - 86/3 (-x2)
  X1 = 2+0 (- X5) +2 (-X2)
  12: 0+0 (-x5) -1 (-x2)
```

X3 = -1/3 +0 (-x5) + 2/3 (-x2) - (x) x4 = -47/3 +0(-x5) - 23/3-(-x2) X5 = 0-1 (-x5) +0 (-x2) 2 0 2 (2) (2) (2) (2) (3) -1/s 0 2/s (x-) s-(x-) 1-s--47/3 - 0 - -23/3 - d instrume since -2/3 b -86/3
Takun muon reproba vaja B= <4,1,1) Sle Sazuri zuimi N° = <2,5 > 3 enocts nanpal ne soro Tepeno X2 = 47/23 - 3/23 X4 Xo = 1332/23 + 0.x5 + 0 (-X4) X1 = -48/23 + 0 (-x5) + 0 (-x4) 1 = 2 - NS X2 47/23 + 0 (-X5) + 0 (-X4) x3 = -39/23 + 0(-x5) + 0 (-x4) x4 = 0 + 0 (-x5) + 1 (-x4) 15 = 0 - 1 (- K5) + 0 (-K4)

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_401.	Giller	6 8	(-	(D) - 2.x1 - 41x2.
-48/25	0	0		
47/23	0	1 × 4	EX +	xx8 + ,x 856
17/03	000			
-39/23	0	0	XOL.	+ LXE + LXQ
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0	0	-1	9	10534
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(3) -2x, -4x2 = 3x3 -> min $\int 28 \times_1 + 3 \times_2 + \times_3 + \times_4 = 20$ 9 x1 + 7 x2 + 10 x3 + x5 = 40 Xi >0, x & Z Гозинерена натрия 3 1 1 0 20 7 10 0 1 40 28 Morcea busparce ex sayoby zuinny X4 c X5 Occuben 6 nac bre e ogunna natpuye, to nominación X = (4,5) Bupazuno Sazioni zuireni repez imui X4 = -28 X1 - 3x2 - x3 +20 $x_5 = -9x_1 - 7x_2 - 10x_3 + 40$ $F(x) = -2x_1 - 4x_2 - 3x_3$ 28 X1 + 3x2 + x3 + x4 = 20 9 x 1 + 7x2 + 10/3 + x5 = 40

Jazuc B X, X2 X3 Ky X5 10 28 3 1 1 0 Xu X5 7 10 10 10 40 4 3 0 0 F(Ko) 0 2 Trague B X, Xe X Ky X5 min Xy 20 28 3 1 1 0 20/3 9 7 10 0 9 X5 40 40/7 F(x1) 0 2 0 Перерахуено симпекс - таблицю BXI Y 15 X₂ Xy 20-(40.3):7 28-(9.3):7 3-(...) 1-(10.3):7 1-(1.) 0-(-) 40:7 9:7 7:7 10:7 0:7 1.7 0-(40.4):7 2-6-4):77 4-(7.4):2 3- 0-0 - in Sloba Jazuc Tadruge: Jasuc B X1 . X2 X3 X4 X5 X4 20/7 169/7 0 -23/7 1 -3/7 x5 40/7 9/7 1 10/7 0 1/7 F(X1) -160/7 -22/7 0 -1917 -4/7

He onousea usume mean, so mena gogarnix quarens X1 = 0 , X2 = 40/7, X3 = 0, X4 = 20/7, X5 = 0 F(x) = - 160/7 Merog Louope В нас присутий дроби Cruaga eno gogatrobe obvenience 91 - 911 ×1 - 912 ×2 - 915 ×3 - 911 ×4 - 915 ×5< 91 = 61 - E61] = 20/7 - 2 = 6/7 911 = a11 - [a1.] = 169/7 - 24 = 1/7 912 = an - Lan J = 0 - 0 = 0 213 = ... = - 25/7 + 4 = 5/7 214 = ... = 1-1=0 215 = -3/7 +1 = 4/7 Dogarnole ofue recent 6/7 - 1/7 x1 - 5/7 x3 - 4/7 x5 50

Jazuc	BXI	×	×y-	×4	X5 X6
Xy	2017 16917	0	-23/7	1	-3/7 0
F(x0) -1	40/7 9/7 6/7 -1/7 60/7 -22/7	0	1017 -517 -1917		1/7 0
	ina tople	100			
	xye uo	10			
	B			X4 X5	×6
Xy.	7/2 97/0	1 -0 %	-11/4	14 6	-3/4
XZ	11/2 5/4	-1	5/4	0 0	1/4
X5	3/2 1/4	0	5/4 0	1	-714
F(x0) -	22 -3	0	-2	0.0	-1
91 - 211 91 = 71	2 - 3 = 1/2		×5 -	914 . 24 -	• X ₆ ≤ 0
912 = 971	1	4	- 416-	3	1
20 = -11	1/4 +3 = 1/9	1342	100 mm	2 States or	FON.
914 = 1-	1 =0	10 -	CX TIS	17 27	- 4/3
915 = 0.	-0=0				
2,6 = -:	3/4 + 1 =	114			

Jague	B	×	X ₂	×s	Xų	V5	X _G	K7	
Хч	7/2	9714	0	-11/4	1	D	-3/4	0	
X	11/2	5/4	1	5/4	0	0	1/4	0	
K5	3/2	114	0	5/4	0	1	-714	0	
X ₄	-1/2	-114	0	-1/4	0	D	(-1/4)	1	
Fuo) -	22	- 3	0	-2	0	0	(-1)	0	
0	-	3: (1/4)=	12	8			4		
Dazuc	B	XI	X ₂	Xs	Xu	X5	X6	XJ	
Xy	5	25	0	-2	1	0	ь	-3	
X2	5	1	1	1	0	0	0	1	
X5	5	2	b	3	b	1	0	- F	
×c	2	1	0		0	0	1	-4	
	-20	9 03 10		1 3 3 3 6	0	0	0	-4	
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The state of the s	The second second				1000		, X5	= 5	
F(x)	2 - 2.0	- 4.5	5 - 3	0 =	-20				
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