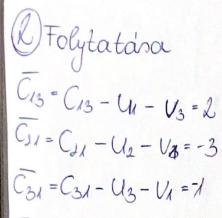


## Stalowai Roma GSACES



	VI	7	Uz	2	U3	9
U	20		14		7-	7
C		Ŧ		1	1	5
42	6	6	-	4	11 8	1
Us	-		-		6	
-9		0		0	0	

$$\begin{array}{l}
\overline{C_{13}} = C_{13} = (M_2 + U_3) = 8 - (0 + 9) = 1 \\
C_{22} = J_1 - (-1 + 12) = 3 \\
\overline{C_{31}} = 0 - (-9 + 17) = 2 \\
\overline{C_{31}} = 0 - (-9 + 17) = 2
\end{array}$$

$$C_{32} - C - (-9+1)=7$$

$$7-0=1=7$$
  
 $6-7=12=1$   
 $1-0=12=2$ 

1/2

43 -8

$$C_{J2} = C_{22} - (u_2 + v_2) = A - (-1+2) = 5$$

$$C_{23} = C_{23} - (u_2 + v_3) = 8 - (-1+8) = 4$$

$$C_{34} = C_{34} - (v_3 + v_4) = 0 - (-5+7) = 4$$

$$C_{32} = C_{32} - (v_3 + v_2) = 0 - (-5+2) = 6$$

(7.9)+(2.14)+(8.11)+(6.17).(06) = 281

Gralontai Panna GSACFS

		- 112			
V	XA	X2	1 X3	XH	1 ×5   6   t
X3	-1	2	1	0	0/12
X4	8	6	0	1	0 9/ 9//8
X5	(2)	6	C	0	1 29 11
F	-7	-5	0	0	0 0
		1			
	XI	X2		X4	x5   b   t
Xs	0	8/3	1		19 23 69/8
XH	0	-	0 1	1	
XA	1	010		1-1	
7	0	-1/3 (	)   0	,	7
	XIIX	12   X3	1 X4	1 X5	b
X3	0 (	1 0	-H	11/3	11
X2	C	10	The second second	-4/3	3/2
X	1	20	-1	1/3	157/2
F	0 0	010	1/2	2	

 $X = (8, \frac{9}{2}, 11, 0, 0)$ J=157/2

Graloutai Panna GSACES

A=3.a.h+a.m->min

$$\frac{\sqrt{3}}{4} a^{2} - h = \frac{1}{4} - h = \frac{1}{4} : \frac{\sqrt{3} a^{2}}{4}$$

3. a. l. + 
$$\frac{3}{2}$$
 ·  $\alpha^2$  -> min  $h = \frac{1}{4 \cdot 3 \cdot \alpha^2} = \frac{1}{3 \cdot \alpha^2}$ 

$$\int_{\alpha} \left(\alpha\right) = \frac{3 \cdot \alpha}{3 \cdot \alpha^2} + \frac{\sqrt{3}}{2} \cdot \alpha^2 = \frac{3 \cdot \alpha}{3 \cdot \alpha^2} + \frac{\sqrt{3}\alpha^2}{2} + \frac{6\alpha + 3\alpha^4}{2\sqrt{3}\alpha^2} + \frac{6\alpha$$

$$S_{(0)}^{1} = -\frac{\sqrt{3}}{\alpha^{2}} + \sqrt{5} = 0$$

$$\sqrt{3} \alpha = 6 + \frac{\sqrt{3}}{\alpha^{2}}$$

$$\sqrt{3} \, \alpha^3 = \sqrt{3}$$

$$Q^3 = 1$$

$$f(a) = \sqrt{3} \left( \frac{\alpha'+2}{\alpha^3} \right) = \sqrt{3} \cdot 3 > 0 \text{ rigy } a = 1 \text{ entire minimum val}.$$

m= 13 . a

 $= \frac{3}{2}\alpha^2 = \frac{3}{4}.\alpha^2$ 

$$A = 3.1. \frac{\sqrt{3}}{4} + \frac{\sqrt{3}}{2}. 1^2 = \frac{3 \cdot 3}{21} + \frac{3}{2} - \frac{2 \cdot 3 + \sqrt{3} \cdot 42}{4} = \frac{5 \cdot \sqrt{3}}{21} = 21.657 m^2$$

Graloulai Poma 69ACF9

6 
$$x_1 + x_2 - 2 \le 0$$
  
 $x_1^2 + x_2^2 - 4 \le 0$   
 $6x_1 = -2x_2 + 5 - min$ 

1+3.2.

$$(-3x_2)^2 + x_2^2 - 1 = 0$$

$$9x^2 + x_2^2 - 1 = 0$$

$$10x^2 = 1$$

$$\chi_2^2 = \frac{4}{10}$$
  
 $\chi_1 = -3 \cdot \sqrt{4} = -408975$   
 $\chi_2 = \frac{4}{10} = 0.6325$ 

I.  $\mu_1$  es  $\mu_2$  egyptene um liluto

at 1. és 2. miatt

Ha  $\mu_2$  = 0, arror at 1. poutual és a

2. poutual  $\mu_1$  um egyau ara oxam,

igg  $\mu_2$  um lilut 0.  $\mu_2 > 0$   $\mu_1 = 1$ 

I M>0 & M2>0
x1+x2-0=07->x1=1-

$$x_1 + x_2 - 2 = 0$$
  $\Rightarrow x_1 = 1 - x_2$   
 $x_1^2 + x_2^2 - 4 = 0$ 

$$(2-x_2)^2 + x_2 - 4 = 0$$

$$x^{2} + x_{2}^{2} - 4x_{2} + 4 - 4 = 0$$

2 x2 (x24)=0

$$x_2 = h \rightarrow x_1 = -2(-2; 4)$$

Wem KKTpat

mentax 1. es2

pout feltételle

(-1,8975; 0,6325) Megfelel minden parluat igy ez KKTput.