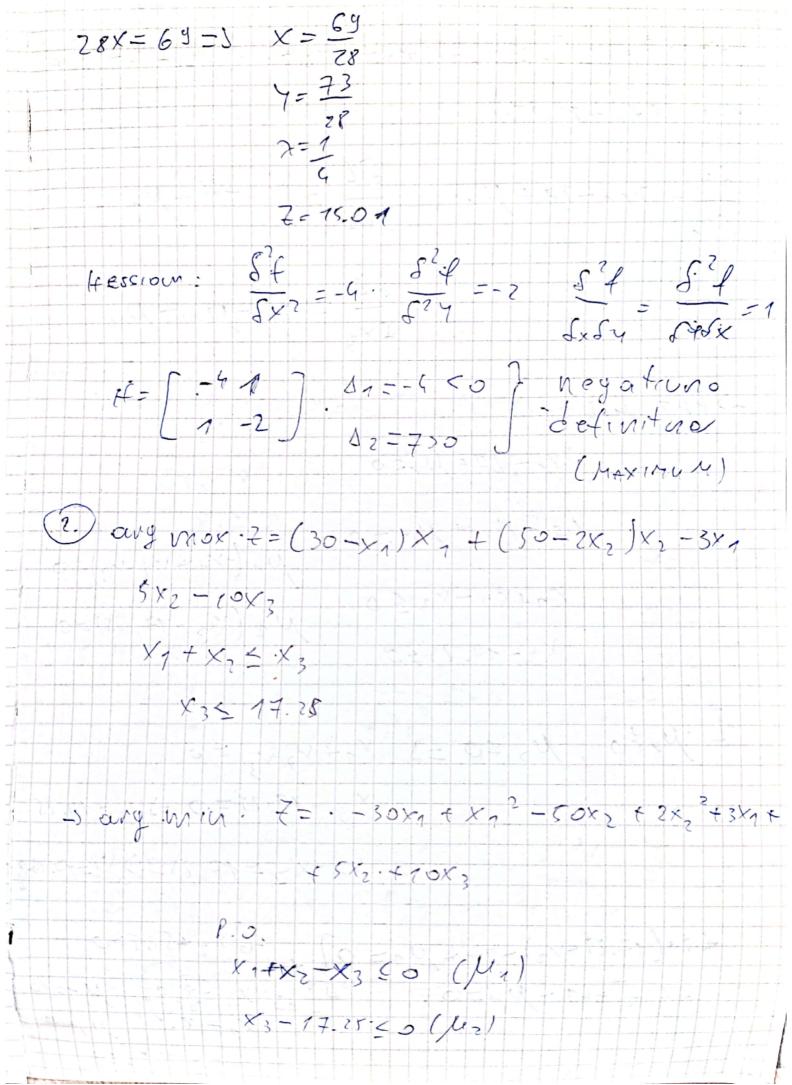
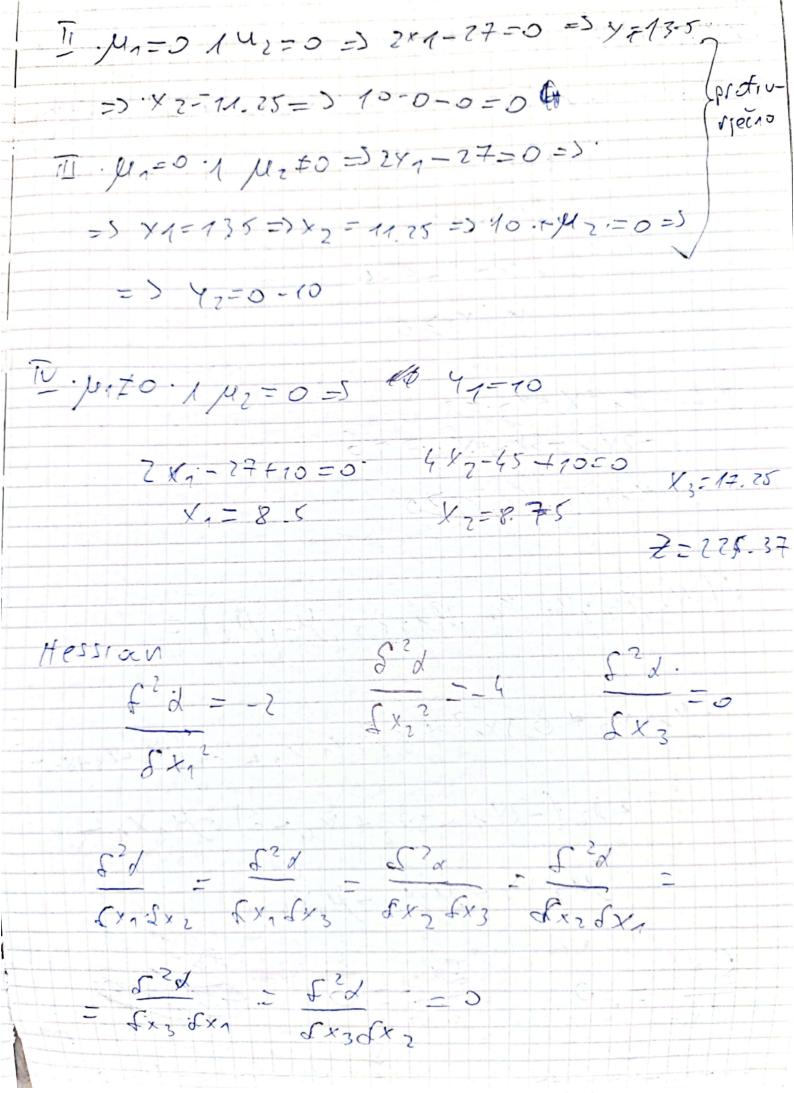
TUKKU SIC 1787/18173 LAS 9 (1) Langrangeoui multiplikoutori P(x,y) = -2x2 - 42 + x4 + 8x + 34 only MOX 5= -5x3 4+x4+8x+34 F-0.93 3000x +1000 4 = 10000 /-1000 3x + 4 = 10 avy Min 2: 2x2+42-74-8x-34 (= 2x3+43-x4-8x-34+2(3x+4-10) $\frac{\partial 1}{\partial x} = 4x - 4 - 8 + 32 = 0$ 5x = 2y - x - 3 + x £2 = 3x-y-10=0 -> 4x-4-37-8-0 x-y+31-8=0 -x+7y+2-3=0 (-3) 3x+y=10=0 -x+7y+2-3=03x+4 -10=0

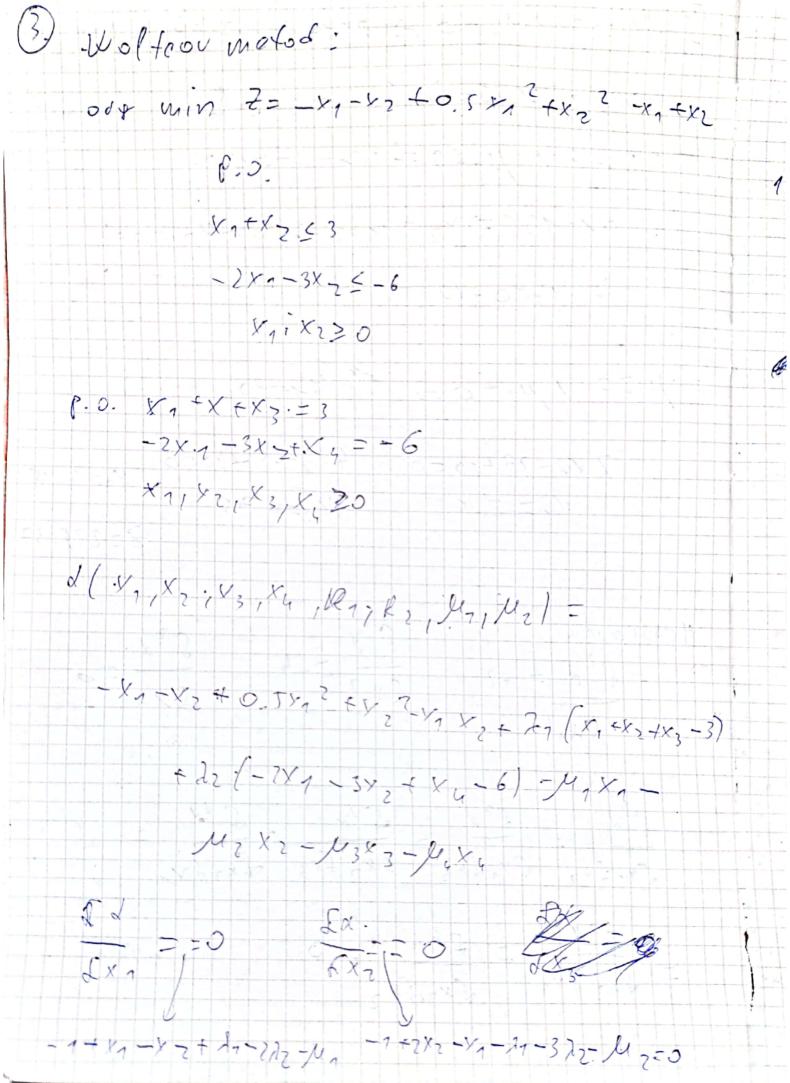
ARSCAN

Scanned with CamScanner



$$\frac{d^{2} \times \sqrt{2} + 2 \times \sqrt{2} - 27 \times \sqrt{2} + 27 \times \sqrt{2} + 27 \times \sqrt{2} + 27 \times \sqrt{2}}{4} = \frac{d^{2} \times \sqrt{2}$$





(A) L.X Sd = 32-44=0 $\frac{1}{\int x_3} = \lambda_1 - \mu_3 = 0$ $\frac{1}{\lambda_1} = \mu_3$ 1.0 -1+×1-×2+43-744-11=0 23-1+2×2-×1+43-344-42-0 #KKT USLOVI 47-42-M1+43-244-1=0 - 17 + 2 v 2 - 10 2 + 10 3 - 3 11 4 - 1 = 0 2×1+3×2-4-0 ¥.×1...4 ≥0 Nav, =0, 142 /2 = 0 - . . . le 4 /4 = 0 W=-U1-U2-U3 ×1 - ×2 - 61 - 43 - 7 44 + V1 = 1 = 41+2×2-42+43-344+42=1 X7+Y2+x3=3

2 x .	1 - 5>	(2 - X4	+0	3 =	6						7	
		Xu, l				/1	. U	3 2	0			
J	1,×1	= 121	12= 2	1	11	14 X 8		0				
V ₁	= 1-1	1+x2	11	_ 11	3+2	Ny						The Control of the Co
$V_{2} = 1 + x_{1} - 2x_{2} + \mu_{2} - \mu_{3} + 3\mu_{4}$ $V_{3} = 6 - 2x_{1} - 3x_{2} + x_{4}$												
	, - 6 -	2×1-	- 3×2	£)	14:							
W=	2 x	1+45	2 - 1	4	M1.	- Ju	2 +	243	-5,	Ц,	= 2	
U= 2x1+4x2-x4-41-912+243-54,=2 Simpleks												
boro	/ bi	X1	[X 2	X3	14	Ma	100		J4	V,	102	(U3
V1	1		-1	0	9	-1	0	1	-2	1	0	0
V 2	1	720	2	0	0	.00	=7	1	-3	9	1	0
Y ₃	3	1	1	1	0	0	0 .	0	C	2	0	0
V3	.6	2	3	9	-1	0	0	0	0	0	0	1
·				13:		.17		173	T'N			
7	.2	12	4-	0	-7	37		2	-5	0	9	Ð.
							113					

