*) L'éterminalea punctiles de extrem local pt. Gunctie de	
2 rou 3 valiabile	
R2 7(x,g)	(R3) 4(x,y,2)
I. Te determina punctele	critice ale lui 7 = voluții ale:
46(xiA)=(0'0)(=) \ \begin{array}{c} \frac{9x}{9\pi}(xiA) = 0 \\ \frac{9x}{9\pi}(xiA) = 0 \end{array}	25 (x, 2, 3) = 0 35 (x, 2, 3) = 0 35 (x, 2, 3) = 0 35 (x, 2, 3) = 0
C.ay	22 (x, y, 2) =0
Punctèle de extrem local din interioral domenialie (atentie la	
casal de le frontiera!) se voi a	pa printe punctele critice
I. Determinam derivatele de ordinal I ale lui 7 matricea	
$H(t)(x'A) = \begin{pmatrix} 3x_3A & 3A_5 \\ 3x_5 & 3A_9x \\ 3x_5 & 3x_5 \end{pmatrix}$ Ensygnag.	$H(\xi)(x^{1}A^{1}x) = \begin{cases} 3x95 & 3x95 & 3x5 \\ 3x5 & 3x5 & 3x5 \\ 3x5 & 3x5 & 3x5 \\ 3x5 & 3x3x & 3x9x \\ 3x5 & 3x5 & 3x5x \\ 3x5 & $
1. Calculam matricea herriana in Lierare ainct esilia	
0. 1	casuile:
(A) incercom witerial lui	Tylvester:
$H(x)(\dots,\dots) = \begin{pmatrix} c_{11} \\ c_{21} \\ c_{22} \end{pmatrix}$	H(x)(,) = (C21 C22 C23 C31 C32 C32 C33 C33 C32 C33
$\Delta_{\lambda} = c_{\Delta \lambda}$, $\Delta_{\lambda} = \begin{vmatrix} c_{\lambda \lambda} & c_{\lambda \lambda} \\ c_{\lambda \lambda} & c_{\lambda \lambda} \end{vmatrix}$	Dr=cor, Dr= corcos
	13= CH CHS CH3
* Daca DR70, 4k =7 d2\$() e positive definità =)	
pt. vitic e pt. de minim local	

DA70, D270 0170, 0270, 0370 * Daca (-D*. De70, 4k =) d² q(...) e megativ definità =>

pt. ceitic e pt. de maxim local

1240, 2470 Dx 40, D270, D840

$\frac{3 \times 94}{3.5} \cdot \pi 7.77$ $q_5 t(x^1 R) (\pi r^1 \pi^3) = \frac{3 \times 5}{35} \cdot \pi^5 + \frac{9 \times 5}{355} \cdot \pi^5 +$	$+3.\frac{3x3}{3x4}.\pi^{3}\pi^{3} + 3.\frac{3x3}{3x5}.\pi^{3}\pi^{3} + 3.\frac{3\lambda_{35}}{3x5}.\pi^{3}\pi^{3}$ $= \frac{3x_{5}}{3x5}.\pi^{5} + \frac{3\lambda_{5}}{3x5}.\pi^{5} + \frac{3x_{5}}{3x5}.\pi^{5} + \frac{3x_{5}}{3x5}.\pi^{5}$ $= \frac{3x_{5}}{3x5}.\pi^{5} + \frac{3\lambda_{5}}{3x5}.\pi^{5} + \frac{3x_{5}}{3x5}.\pi^{5}$ $= \frac{3x_{5}}{3x5}.\pi^{5} + \frac{3\lambda_{5}}{3x5}.\pi^{5}$
* Da că mici una din cele 2 situatii de mai rus mu are loc,	
d2 f(~~) (u2, u2)	956 (-2-2) (No 18, No)
6. Incercam så gårsim 2 puncte astfel incat:	
d24(,)(u2,u2) 70	d2€(,) (u1, u2, u3) 70
.2	d28(,) (u4, u5, u6) 40
Astfel, def () va fi indefinità, ias punctul critic	
+ Baca dre() ≥0 (rou ≤0) et. oure pa. din R2/R3 de garim puncte	
(42,42)	(42,42,43)
en afara de (0,0)	(0,0,0)
a.c. 224 () (u4u2) = 0	d22(2)(u2, u2, u3) =0, tream lo parel
Ex: d2f() (u2,u2) = u2 20	Ex: 956() (no, no) = - 3no 40
$d^2 \xi() (0,2) = 0, day (0,2) \neq (0,0)$	956 () (87810) = 0' gar
	(2,2,0) ± (0,0,0)
© jucercam va vragaçum ca brancerre cripic un boate f.	
mici de marsim, mici de minim pe bile din	
jusul sau (SAY) vuificam dacă mu putem prelucia functia	
a.c. så it definem un menem/marin global	