[] [] [h Mi PiA - M A EM2 (x0 140) E) A f somma 2 & E ((x, 4)-1(x0, 40) lim ((x,y)=1 Se 2 36 10; 4620 JSZ1: 4(418) EAN [S(70,14) (418) 7(80,4) · ((x,y)-l(<E f(x,y)=k $f(x,y)\in \mathbb{A}^2$ $(x_0,y_0)\in \mathbb{A}^2$ (4, 4) = R (X y) -> (x , 4) ₩ € 70 - 3550: Y(4,4) E (T) [(x,4)] (X,4) 7 (4,14) $\left| \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) - \frac{1}{2} \right) \right| < \varepsilon$ /(x, y) Cojor de i starte (te) 0 < 6 & ouzitrono $\{(4,4)=\chi \quad \{(x,y)\in \mathbb{R}^2 \mid (x,y)\in \mathbb{R}^2\}$ VE 70 F820: Y(x,y) E PATS (x,y) + (x,y) (xy) - xo < E $\left(\chi-\chi_{o}\right)<\varepsilon$ $\left| \begin{array}{c|c} X - X_0 \end{array} \right|^2 \leq \left(\left(X - X_0 \right)^2 + \left(\left(Y - Y_0 \right)^2 \right)^2$ $(x-x_0)^2 + (y-y_0)^2 < 6$ Distante bediles to (x, y) e (x, y) e E Gre Volevary Divisore (nog.)
I bindry pritinnete ja (x, 2) -> (40, 12) $V = 2 i \frac{1}{(4/4)} = 1$ (4/4) = 1 (4/4) = 1 (-)V150 3550: V(x,y) E IS(X016) NA (x,y) + (7016) -> /(x,y) >)e $\frac{1}{(x/x)-s(0,0)} = \frac{1}{x^2+y^2} = +\infty$ HR90 350 H(X,Y)E Is (0,0) 1 R 1 8(0,0) X2+42 < S Ditans encliber (1 x^2+y^2 (X,7) R (0,0) Over Ja S= I ho livto X2+42 < THE e Il brite re c'è è mia Se bles francione per (4,4) -> (x, 70)

(rug.) X sivo evite of mens per intuaro li (40,14) in au pa youtive lovers bel Contronto l,g,h:A-)M $A \subseteq M^2$ (7016) EDA Solution of $(x,y) \leq h(x,y) \qquad f(x,y) \in A \setminus \{(x,y)\}$ e f_{m} $g(x,y) = f_{m}$ f(x,y) = l $(x,y) \rightarrow (x_{0},y_{0})$ $(x_{1}y) \rightarrow (x_{0},y_{0})$ Rosens sul livite belle pri comperte 9: A-) A = A= D P:I-) A I SK? I to $(x,y) \rightarrow g(x,y) \rightarrow g(x,y)$ (4,4) -> (40,40) g (4,4) = to th 3500: +(x,y) EAN IS(x,y) (x,y) (x,y) (x,y) + (x,y) = (> 9(x, y) + to lim V (E) = 1 e Ch (X,Y)->(0,0) x2 + 42 (x2 + y2 $(x_{+92}) = 0$ (4,4) -> (9,8) (x,y)-,(x),0) x2+92 $\frac{2^{3}}{(4,4)-2(0,0)} = \frac{2^{3}}{(4,4)-2(0,0)} = \frac{2^{3}}{(4,4)-2(0,$ Lmc Compitation X9 lim × 43 = 0 (x,y)-)(0,0) $(1)^{1} \qquad \qquad (2)^{1} \qquad \qquad (3)^{1} \qquad \qquad (3)^{1} \qquad \qquad (4)^{1} \qquad \qquad (9)^{1} \qquad \qquad (9)^$ Oprens red Vrite felly retirione ASMI Atd ECA $(x_0, y_0) \in \mathbb{D}$ $(x_0, y_0) \in \mathbb{D}$ 1: A -) B Allon $(x,y) \rightarrow (x,iy)$ $IE(x,y) \subseteq I$ Antique on E, Ez CA (xo, y) EDE, DEZDA (4/4)-7(40/4) (4/4)-3(40/4) (4/4)-3(40/4) (4/4)-3(40/4)It me blow men sinte il Jin Ti D) (4,4) -) (40 140) ()-()-)(00) (E (7,4)=0 (4/Y)-)(0,0)