$0^{200}$ , for(3).  $f(3\sqrt{3^{2}+2^{2}},1) \leq f(0,1)$  o we  $g(5,2) \leq f(0,1)$ 

Ademis, pur definant de g,  $g(0,0) = f(3\sqrt{0^2+0^2},1) = f(0,1)$ luego,  $g(5, \pm) \leq g(0,0)$ 

luego, repulse que,  $2i 3\sqrt{5742}^2 < R = ) g(5, \frac{1}{2}) \leq g(0,0)$ Tre,  $2i + || (5, \frac{1}{2}) - (0,0) || < \frac{11}{3} = ) g(5, \frac{1}{2}) \leq g(0,0)$ Tre  $2i + || (5, \frac{1}{2}) - (0,0) || < \frac{11}{3} = ) g(5, \frac{1}{2}) \leq g(0,0)$ Tre  $2i + || (5, \frac{1}{2}) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + || (6,0) + |$ 

Luego, u lleurs  $D_n$  el desco de Certo en (0,0) y redo $\frac{n}{3}$ , reneifice que  $\forall (5,\pm) \in D_n$ ,  $y(5,\pm) \leq y(0,0)$ .

=> (0,0) en un maximo local de g OBSERVACIÓN No re utilizó la hipóters de la funció f es de Close c<sup>2</sup>.