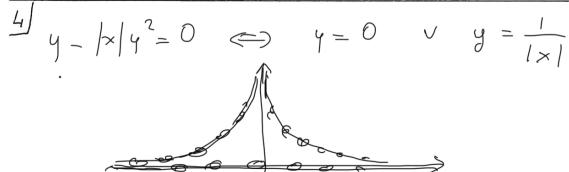
EDGNOME - NOME

$$\frac{1}{g-j0} \lim_{s \to \infty} \frac{s^5 \cos^2 \vartheta \text{ min}^3 \vartheta}{s^2 \omega} = \lim_{s \to \infty} \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta \text{ min}^3 \vartheta = \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta + \frac{s^{5-2} \omega}{s^{5-2} \omega} \cos^2 \vartheta +$$

$$\frac{2}{9} \frac{\partial f(0,0)}{\partial x} = \lim_{t \to 0} \frac{f(t,0) - f(0,0)}{t} = 0$$

$$\frac{\partial f(0,0)}{\partial y} = \lim_{t \to 0} \frac{f(0,t) - f(0,0)}{t} = \lim_{t \to 0} \frac{t - 0}{t} = 1$$

If contamente differensidate in
$$R^2 \setminus \{0,y\}$$
, $y \in R^2$
an $\{(0,y)\}$: $\{(0,y) = y \Rightarrow \neq \text{max o unin}$.
Per $x \neq 0$ $\forall \{(x,y) = (-\text{sign } x \cdot y^2, 1 - 2/x/y) - \frac{\partial f}{\partial x}(x,y) = 0$ $\Rightarrow y = 0$ man $y = 0 \Rightarrow \frac{\partial f}{\partial y}(x,0) = 1$
 $\Rightarrow x \neq 0$ $\Rightarrow y = 0$ man $\Rightarrow y = 0$ $\Rightarrow y = 0$



$$\frac{\partial F_1}{\partial y}(x_1y) = 3ax^2 + 25xy = 2xy - 3x^2 = \frac{\partial F_2}{\partial x}(x,y)$$

$$\Rightarrow a = -1 \quad \text{a. } b = 1 \quad (R^2 \text{ sempl. comess})$$

6
$$u(x,y) = \int F_{1}(x,y) dx = x^{5} - x^{3}y + \frac{x^{2}y^{2}}{2} + K(y)$$

$$k'(y) = -y' \implies u(x,y) = \frac{x^{5}}{5} - x^{3}y + \frac{x^{2}y^{2}}{2} - \frac{y^{5}}{5} \quad p \text{ mid}$$

$$\int F(x,y) \cdot dx = u(2,1) - u(0,0) = \frac{1}{5}$$

$$\lim_{n \to +\infty} \sqrt{\frac{2^{n}-1}{3^{n}+1}} = \frac{2}{3} \implies R = \frac{3}{2} - per x = 1 - \frac{3}{2}, x = 1 + \frac{3}{2}$$

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$$\lim_{n \to +\infty} \sqrt{\frac{2^{n}-1}{3^{n}+1}} = \frac{2}{3} \implies R = \frac{3}{2} - per x = 1 + \frac{3}{2} = \frac{3}{$$

$$\frac{8}{1}\int_{0}^{1}\int_{0}^{1-x}(x+2y)dy dx = \int_{0}^{1}(x(1-x)+(1-x)^{2})dx = \int_{0}^{1}(x-x)dx$$

Vou obili separabili
$$f(t) = 2^3 \sqrt{t}$$
 $f \in \mathcal{C}(R)$
 $g(5) = ^3 \sqrt{y}$ $g \in \mathcal{C}'(R \setminus \{0\})$ puindi

existe sour boole unice $\forall (x_0, y_0)$ con $y_0 \neq 0$

$$\frac{101}{3} \frac{dy}{\sqrt{y}} = 2^{3} \sqrt{t} dt \qquad \frac{3}{2} y^{\frac{2}{3}} = 2 \cdot \frac{3}{3} t^{\frac{2}{3}} + c$$

$$y(0) = 0 \implies c = 0 \quad \text{puindi} \quad y = t^{2}$$

$$\frac{11}{11} \int_{A^{2}}^{2} 2\Lambda - 3 = 0 \qquad l = -1 \quad \forall \quad l = 3 \qquad \varphi(t) = c_{1}e^{t}c_{2}e^{3t}$$

$$\gamma_{0}(t) = At + B \qquad -2A - 3At - 3B = t$$

$$A = -\frac{1}{3} \quad A \quad B = \frac{2}{9} \qquad \gamma(t) = c_{1}e^{t}c_{2}e^{3t} - \frac{t}{3} + \frac{2}{9}$$

$$a_{0} = \frac{1}{\pi} \int_{-\pi}^{\pi} |\cos x| \, dx = \frac{4}{\pi} \int_{0}^{\pi} |\cos x| \, dx = \frac{4}{\pi}$$

$$a_{1} = \frac{1}{\pi} \int_{-\pi}^{\pi} |\cos x| \, dx = \frac{1}{\pi} \left(\int_{0}^{\pi} |\cos x| \, dx - \int_{0}^{\pi} |\cos x| \, dx \right) = 0$$

fogolar a tretti (antina a tretti ed enstano in ogni pruto dueno psendo deni da destra e si vistra) - E convege prutiduente a $\frac{1}{2}(f^{\dagger}(x)+f^{\prime}(x))$, primidi a f(x) dore f e contina-