Pag 600 e seguenti $324 : \log (10-x^2) - \log 8 = 2 \log \frac{x}{5} - 2 \log \frac{x}{5}$ CE. 10-x2>0 $\left(\begin{array}{c} x \\ 5 \end{array}\right) = 0$ $\log\left(\frac{10-x^2}{8}\right) = 2 \cdot \log\left(\frac{x}{5}\right)$ $\log \left(\frac{10-x^2}{8}\right) = \log \left[\left(\frac{x}{\sqrt{12}}\right)^2\right]$ $\frac{10-x^2}{8} = \frac{x^2}{2}$, $10-x^2 = 4x^2$ as $5x^2 = 10$ $x^2 = 2$ w x = ±V2 Acat. col + x = 12 384: log (x+1) - log (Vx+1) = 2 X+1 >0 √×+1 > 0 $\log \left(\frac{x+1}{\sqrt{x+1}} \right) = \log 100$ $\frac{x+1}{V_{x+1}} = 100$ ms elaw alla 2 (X+1) X = 9999 X = 9999 Acc. 454: $\log_{\frac{4}{5}}(2-x^2) < \log_{\frac{4}{5}}(1-2x)$ $(\in .) 2 - x^2 > 0$ | 1 - 2x > 02-x²>1/-2x bosse comprese tre 0 e 1 -x2+2x+1>0 Wy - V2' ← X < 2 - 12 1-12 1/2 1+12 Sel 0 = 4 + 4 = 8 Vo = 22 $x^2 - 2x - 1 < 0$ 1-12 c x c 1/2 $\chi_1 \chi_1 = \frac{2 \pm 212}{2}$ 1-12 CX C 1+12



