7.1 b) hal= &x + 3x2-x+6 Fixpanol problem ? 1. Moglichheit: Newton 1841 = X2 + h(Kn) 2. Möglichheit Die Tolge Xny honvergiet neer Bonce; egegen einen Fixpenset x", galls (D) (D) (2) fist sombrestion ZU 6: SIXIC = 12+ 18(x1) = 6(\$13+3(\$12+6= 48 4 2 gal E I = [-1/2, 1/2] selbstabbilding Zu 2: 2.2. 18(x) - 8(y)1 4 g1x-y1 E (Sonst gill Bence & nicht!) max 1g (8/1, 8 E 6 f'(x1= = x7+ = x-= O.G. Konderdenz deires Fixpunktityation dems 1xn -xx1 = 4 | x1-x01 1 Wit : $X_0 = 0$; $X_1 = \int_{0}^{1} (x_0) dx = \frac{1}{6}$; $x_0 = \frac{1}{29}$ $1 \times (x_0 - x_0) = \frac{1}{1 - \frac{1}{29}} = \frac{1}{3} = \frac{1}{3} = \frac{1}{29} = \frac{1}{4} = \frac{1}{4}$

