23) a) y(k) = x(k) + DF(x(k)) = F(x(k))  $\times^{(k+1)} = y^{(k)} - DF(x^{(k)})^{-1} F(x^{(k)})$ Sei men F(x'0))=0 und DF(x'0)) nicht zugeton. Aleman = (x(4))=0, 20 foligh x(k) = x(k) + 0 = x(k) well in x(k+1) eit refet : x(k+1) = x(k) - 0 = x(k) E gill also: F(x(K)) = 0 =) x(k+1) = x(K) De F(x(01)=0, 20 folyt x(+11)=x(+), was fin alle K offenichthick gill. #