g(x) = 2x(1-x) $g(0) = 0 \longrightarrow g(0) = 2.0(1-0) = 0$ る(さ) = ラ --- を(さ) = でを(しても)= ラ、・。 BY THEOREM EXESTENCE & UNIQUENESS OF A FIXED POTOT IN LECTURE 5, A3: 18'(X) | < 1. FOR 4 X E [~, b] 1 % (PO 20) 1 > 1 SO FIXED POINT ITEMPTON WILL NOT CONVERGE TO TROOT X = 0 FIXED POINT ITERATION WILL CONVERGE TO ROOT X = 1 BECAUSE OF A, & A, OF THE ABOVE MENTIONED ? THEOREM

WE EXPECT LINEAR ORDER OF CONVERGENCE

