Stort with c=0, i.e. xn= Rxn

Asume to is an eigenvetor corresponding to eigenvalue 2 mil 121>1.

 $= X_1 = Rx_0 = Rv = \pi v = \pi x_0$, when v is eigenvector

=> \(\alpha_n = \chi^n \chi_n\)

Giran 12/21, 2" desn't conveye to 0.

 \Rightarrow X_n only wreye to a finite $x^n X_o$ when $X_o = 0$

Mon general, c +0

the constant c doesn't change the conveyence fact above capless c=0, => for any non-zero c, if $e(R)\geq 1$, $\chi_{n+1}=R\chi_n+c$ doesn't conveye