Extra homework 2

Mogeran Johathan

X = (x-1) x m + 13

X = x X M+1 + (1-x | X m | - x m+1

tms2-4m1 = (d-1) tm+1 + (- x) /m

 $= \left(\chi^{\omega+1} - \chi^{\omega}\right) \left(\chi^{-1}\right)$

Y and - x m = (x m - x m - 1) (x - 1)

•

 $\chi_3 - \chi_1 = \left(\chi_2 - \chi_1\right) \left(\chi_{-1}\right)$

 $x_{m+2} - x_2 = (x - 1)[x_{m+1} - x_1]$

 *

1 41 - x m+1 (x-1) + x2 + (1-d/x) $b = x_2 + (1-b_1)x_1$ 1 m 4 2 = a x m + 1 + h We can prove that: $X_{m+2} = X_2 \cdot a^m + a^{m-1} b + \dots + o \cdot b + b$ M = a & 1 + b X am = a x + la / a . x = mx + b / . q

> 4 - a x + h
= a x + h
= a x + h
/ a - 1

 $x_{n-1} = x_n \cdot a^n + a^{n-1}b + \dots + ab + b / b$

$$\frac{x_{m+2}}{\alpha} = \frac{x_2 \cdot \sigma^m}{\alpha} + \frac{\sigma^{m+1}}{\sigma^{m+2}} \cdot \frac{(1-\sigma)}{\alpha}$$

$$\frac{x_{m+2} \cdot \frac{1-\sigma}{\sigma}}{\alpha}$$

$$\frac{x_{m+2} \cdot \frac{$$

We can check the polition:

If lof, then lolinx of linx mon

De the conduston stands.