Heur Ke nore.

Dopmanent crementen feg:

 $F(x) = S_0 + S_1 x + S_2 x^2 + \dots$   $= \sum_{i \ge 0} S_i x^i$ 

•  $F(\infty) = \sum s_i x^i$   $u G(\infty) = \sum t_i \infty^i$  ca palm, and  $s_i = t_i$ 

Monto respuguentive s. ca man of vence user baseing.

- · Orthpesse na goopmenm crenemm jegobe  $F(x) + G(x) = \sum (s_i + t_i) x^i$
- of enforceme the good marihing chements people  $F(x)G(x) = \sum_{k=1}^{k} v_i x^i$ , where  $v_k = \sum_{j=0}^{k} s_j t_{k-j}$ .
  - Hyra  $0 = \sum_{i \geq 0} 0 x^{i}$ 
    - Equipus  $1 = 1 + 0x + 0x^2 + \cdots$ 
      - $-F(x) = \sum_{i=1}^{\infty} (-s_i) x^{i}$

Thm. Dopularinite crenessis pegobe stag K ospazybas

npresent us osnowenie 42 taka geopunipamire originza.

Tru mpresent oznarebane e

K[[X]].

- · K[x] e nogrepretent He K[[X]]
- · K[X] e other 149 yearet (Kernyvaruben upperen c 1 reg generem 48 (4yaata)

Thus. Executive  $F(x) = \sum_{i \ge 0} x_i x^i$  e orparale la K[[x]] robba u callo mala, koraro  $x_0 \ne 0$ .

the so to to equipment of si.