

(**)
$$Y = 1 \cdot X + 3 \cdot X + 2 \cdot X$$

AND (\$1 \times (**))

CHADORICAL PRESIDENTION OF A SIMPLE BLUET (\$\frac{9}{4}\$)

LET $Y = \sum_{i=1}^{\infty} e_i \cdot X_{F_i}$ (\$\frac{1}{4}\$) sale TO

BY THE CHARDEST PRESIDENTIAL (\$\frac{1}{4}\$)

OUT THE CHARDEST PRESIDENTIAL (\$\frac{1}{4}\$)

15 , By OFFINITION,

$$Y = \sum_{i=1}^{\infty} e_i \cdot X_{F_i} + O \text{ AND}$$

$$C_i + e_i \cdot R_i \cdot (f_i)$$

The CHARDEST PRESIDENTIAL (\$\frac{1}{4}\$)

OUT THE CHARDEST PRESIDENTIAL

$$Y = \sum_{i=1}^{\infty} e_i \cdot X_{F_i} \cdot (F_i)$$

15 , By OFFINITION,

$$Y = \sum_{i=1}^{\infty} e_i \cdot X_{F_i} \cdot (F_i)$$

OUT THE PREVIOUS EXAMPLES: (\$\frac{1}{4}\$, \$\frac{1}{4}\$, \$\frac{1}\$, \$\frac{1}{4}\$, \$\frac{1}{4}\$, \$\frac{1}{4}\$, \$\frac{1}{4}

A SIMPLE ARRUMENT CHOWS. PROPL (LINEARITY) LET Y, Y: ESIR" - IR SIMPLE, ce, ben . CLEMRY: i) a 9 + by 15 SIMPLE PROP 1 IMPLIES:

1= + Q = \(\frac{1}{2} \) e, \(\chi \)

1= + \(\chi \)

1= 1 \(\chi \)

1= 1 \(\chi \)

REPRESENTATION NOW, LINGEARITY PROP IMPLIES : $\int Q = \int \left(\sum_{j=1}^{m} c_{j} \cdot \mathcal{X}_{A_{j}} \right) \xrightarrow{\text{Linearity}} \sum_{j=1}^{m} c_{j} \int \mathcal{X}_{A_{j}} = 0$ $= \sum_{j=1}^{m} e_{j} \mu(A_{j})$ IN THE PREVIOUS EX G = 1. X + 2 X [1,3] HENCE = 1.2 + 2.2 = 6 AS EMPLIER!! PRUP 2 LET 4, 4: ESIR "->IR BE SIMPLE FUNCTS. ASSUME THAT $\varphi \leq \psi \wedge E$

