$f(x) = \begin{cases} C/x, & xe(1,3) \\ 0, & x \notin (1,3) \end{cases}$  $\int_{X}^{\infty} \frac{C}{dx} dx = 1 = \int_{X}^{\infty} \left| \frac{C}{dx} - \frac{1}{dx} \right| = \frac{1}{2} \left| \frac{1}{2} \right| = \frac{1}{2}$  $\sum_{x} \int_{x} \int_{x} \int_{x} \int_{x} \int_{x} \int_{y} \int_{y$ D = 1 (x-Ex)2 fx(x)dx  $D(\xi>2) = \int_{2}^{C} \frac{1}{x} dx = C \ln(x) \Big|_{2}^{3} = 1 - \frac{\ln 2}{\ln 3}$ 

Urses:  $C = \frac{1}{\ln 3}$ ,  $E\xi = \frac{2}{\ln 3}$ ,  $P(\xi > 2) = 1 - \frac{\ln 2}{\ln 3}$ ,  $P(\xi > 2) = \frac{\ln 2}{(\ln 3)^2}$ 

Nul BLEED BAPHANTOB REPENDENTE 2 Mape 43 BTOPOLI,
1PHU B REPBYRO - 41 (4- mephon map, 6- bellow map) ypro algy unue saparation Berlow wap, zailer goczadu ulptutin 15/- gocia in vieproin rap zaner govanu Berton 162 - gocialu nèppion wap, soien go via un meprion 163-gociam Blubin wap, 297en go ciam blubin Hanger Bepogranour BCEX cobbituin (Bi - cobbitue rep  $P(B) = \frac{7}{15} \cdot \frac{8}{14} = \frac{56}{210} P(B_3) = \frac{8}{15} \cdot \frac{7}{14} = \frac{56}{210}$  $P(B_2) = \frac{8}{15} \cdot \frac{7}{14} = \frac{56}{210}$   $P(B_4) = \frac{7}{15} \cdot \frac{6}{14} = \frac{42}{210}$ 70500 nposepum, 470 P(B) +B3+B3+B3 = 1 (850 pa 34 roi) 56+56+56+42 710 1  $56+56+56+42 = \frac{210}{210} = 1$ Man ree obxoguno enpegemino raroba Repositionis, uis gra warpa nepeloxenture us 2 yprus B fyro - pastur y wrettob => Ham negrogat cototatus (B) um (B) Haigen P(B, +B2) = B, +B2 = 112 = 56 × 0,533 ecib ucromas Bepostituocito Ormer: 0, 533

Haingen number of part of part of the par