Изависили Mag K, Ke ~ Exp(1) 1 Kink (Kinke) = 12 e - 1 (Kithe) J X1 (t) = ? Jx /x =? P(X3 = E) = P(X= "TE) = Fx("TE) => fxs(t)= fx'(")=).("E)"=fx'("t)(")" Jg (x1 (+)= Jx (g-4(+1)) · ((g-4(+))) / 1x3(+) = $Y_{1} = \frac{X_{1}}{X_{1} + X_{2}}$ $Y_{2} = \frac{X_{1} - Y_{2}}{X_{1}}$ $X_{2} = \frac{X_{1} - Y_{2}X_{1}}{Y_{1}} = \frac{Y_{2} - Y_{2}}{Y_{1}}$ * And $x_1 = \frac{y_1}{x_1 + x_2} = \frac{y_2}{y_1} = \frac{y_2}{y_1} = \frac{y_1}{y_1}$ * Y=X3 - X= 3 Ty => $\int y_1, y_2 (y_1, y_2) = \int x_1, x_2 (y_2, \frac{y_2}{y_1} - y_2) \cdot |J| = \int_{e}^{2} e^{-\lambda} (y_2 + \frac{y_2}{y_1} - y_2) \cdot \frac{y_2}{y_1} =$ $= \lambda^2 e^{-\frac{\lambda y_2}{y_1}} \cdot \frac{y_2}{y_2^2}$ Jy, (y,) = / 1'. e + - > y, y, dy = / (1/4) - e - 1/4 d dy = = $\int_{0}^{\infty} te^{-t} dt = 1$ $y, \in [0,1)$

Boseyns an $\int_{0}^{\infty} te^{-t} dt = \mathbb{E}_{p} \mathbb{E}[Exp(2)]$ $for you xnue ee and X, Xe a Exp(X), X, <math>\mathbb{L}_{X_{2}}$, up $\frac{X_{1}}{X_{1}+X_{2}} = U(0, 1)$