Considera Fx (x) = pa (x 1 x) con densidad fx (x)= (1+x) - x flor o)(x)
y d>0. Muestra que para d>0 la integral 2.4 no está definida.

$$F_{X} = \int_{0}^{X} f_{\alpha}(a) da = \int_{0}^{X} (1-a)^{\alpha} dx = \int_{0}^{X} (1$$

$$\Rightarrow \int_{0}^{\infty} \exp^{(\Gamma(x))} \left[1 - (1 - x)^{\alpha + 1}\right] \left[\frac{1}{\alpha + 1}\right] dx = \frac{1}{\alpha + 1} \int_{0}^{\infty} e^{(x)} \left[1 - (1 - x)^{\alpha + 1}\right] dx$$

$$= \int_{0}^{\infty} e^{(x)} dx - \int_{0}^{\infty} e^{(x)} (1 - x)^{\alpha + 1} dx$$

$$= \int_{0}^{\infty} e^{(x)} dx - \int_{0}^{\infty} e^{(x)} (1 - x)^{\alpha + 1} dx$$

$$0 = \frac{e^{rx}}{r} \left| e^{rx} \left| e^{rx} \left| e^{rx} \right| \right| \right|$$

:. para d+1 no está blen definida.

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Calula la probabilidad de runa $Y(\omega)$ cuando $X\sim E\times p(x)/\mu$ on $E(x)=\mu$ $Fx=1-e^{-x/\mu}$ $Mx(t)=\theta-\mu t)^{-1}$ $t<\mu^{-1}$

- M2 (- M2 O (+ 8) = 0

((- 12 - 120 + 110)=0

Por el coeficiento de Lündberg: $1 + (1+\theta)\mu r = M \times C\Gamma$ $\Rightarrow 1 + (1+\theta)\mu r = (1+\mu r)^{-1}$ $\Rightarrow 1 + (1+\theta)\mu r = \frac{1}{(1-\mu r)}$ $\Rightarrow (1-\mu r) + (1-\mu r)(1+\theta)\mu r = 1$ $\Rightarrow -\mu r + (1+\theta)\mu r - \mu r\theta)\mu r = 0$ $\Rightarrow -\mu r + (\mu r + \theta)\mu r - \mu^{2}r^{2} + \mu^{2}r^{2}\theta = 0$ $r^{2}(-\mu^{2} - \mu^{2}\theta) + \theta \mu r = 0$ $r^{2}(-\mu^{2}r - \mu^{2}\theta r + \theta \mu) = 0$