2) Describe un alg de generare et variors x en denset de sep:  $f(x) = \frac{1}{n(\frac{1}{3})} \times \frac{2}{3} e^{-x}, \times 30$   $fol. variors. x en denset de sep:
<math display="block">g(x) = \frac{1}{3} \times \frac{2}{3} e^{-x}, \times 30$ 

y este a variois. sep. Gamar(0,1, 1)

y este a variois. on a donsid. de rep. Weisuee(0,1,1)

49: Intrare:  $\sqrt{3} = \frac{1}{3}$ ,  $c = \frac{1}{3} = 3$ ,  $\zeta = \sqrt{\frac{2}{3}}$ ,  $\zeta = \sqrt{\frac{2}{3}$ 

P1. Se gen  $Y \sim \text{MerS}(0, 1, \frac{1}{3})$  cmet. cinversor)P1.1.  $U \sim U(0, 1)$ P1.2.  $Y = \mathbb{I} - \text{en}(U)\mathbb{I}^{C}$ 

P2. Se gen UNU(O,1)
P3. dacot U & a e Y.35g-Y, all x=Y,870P
Altfel, mergi la P1.

tesche: Var. accent. X.

TOVA

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