wont to emple from f obility to semple from 9 f(x) < cg(x) \* then the filler works to set semples from f (T) Y~9

(3) O-O4t (0,1)

3  $U \leq \frac{f(Y)}{cg(Y)} \Rightarrow return Y$ 

olu 90 brok to step 1

= distribtion of the # c= \*; 9(x) (x) of suples re new to jet en acceptma ges ru ul exp C Y~ q (x)

$$\frac{\mathcal{E}_{x}}{f(x)} = \begin{cases} x, & 0 < x < 1 \\ (2-x), & 1 \leq x < 2 \\ 0, & s \mid w \end{cases}$$

$$C = \frac{f(x)}{r_5(x)} = \frac{f(x)}{g(x)} = \frac{f(x)}{g(x)} = \frac{1}{2}$$

(3) If 
$$0^{2} \leq \frac{2 \cdot 1/2}{5(4)} = f(4)$$
 the return Y

$$\frac{\mathcal{E}_{x}}{f(x)} = \frac{\chi - G_{cmma}(\alpha, \lambda)}{\Gamma(\alpha)} \frac{1}{(\alpha, \lambda)}$$

$$\frac{\Gamma(\alpha)}{\Gamma(\alpha)}$$

Proposal density Y-exp (B)

$$g(x) = \beta \exp(-\beta x) \frac{1}{5 \times 50}$$

$$h(x) = \frac{f(x)}{g(x)} = \frac{\lambda^{d}}{\beta \Gamma(d)} x^{d-1} e^{-\lambda x + \beta x} (x > 0)$$

$$\Rightarrow went \quad \text{there is the substitute of } d_1\beta_1\beta_2 \text{ this is bounded}$$

$$\Rightarrow f(x)\beta_1\beta_2 \text{ thi$$

$$h(x) = \frac{f(x)}{g(x)} = \frac{\lambda^{d}}{\beta \Gamma(d)} x^{d-1} \cdot e^{-\lambda x + \beta x}$$

$$h'(x) = \frac{3^{d}}{\beta \Gamma(d)} \left( (d-1) x^{d-2} e^{-3x+\beta x} \right) \triangleq 0$$

$$+ (\beta-3) x^{d-1} e^{-3x+\beta x} \triangleq 0$$

$$h\left(\frac{d-1}{\lambda-B}\right) = \frac{\lambda^{d}}{\beta \Gamma(d)} \left(\frac{d-1}{\lambda-B}\right) e^{-1} = C$$

$$\frac{\mathcal{E}_{x}}{\lambda_{i} - e^{x}\rho(B)} g_{conn}(A, B)$$

$$X_{i} | \lambda_{i} - Poisson(\lambda_{i})$$

$$P(x) = \begin{cases} \rho(x | \lambda) \cdot f_{\lambda}(\lambda) d\lambda \\ \frac{e^{-\lambda} \lambda^{x}}{x!} \cdot \beta e^{x}\rho(-B\lambda) d\lambda \end{cases}$$

$$= \begin{cases} \frac{e^{-\lambda} \lambda^{x}}{x!} \cdot \beta e^{x}\rho(-B\lambda) d\lambda \end{cases}$$

= continuos rixtue

outcomo or 
$$f(x|\theta)$$
 $\theta \sim g(\theta)$ 
 $\chi_1 \sim f(x|\theta_1)$ 
 $\chi_2 \sim f(x|\theta_2)$ 
 $\chi_3 \sim f(x|\theta_2)$ 

x ~ f ( , 10 , )