18

p(x=i, Y=j) = (1-p) · p = (1-p) · p = (1=1,2 ··, j=i+1, i+2, ···)

 $p(x=i) = \sum_{j=i+1}^{+\infty} p(x=i) | Y=j) = p^{2} \sum_{j=i+1}^{+\infty} (1-p)^{i-1} = (1-p)^{i-1} p | (i=1,2,...)$   $p(y=i) = \sum_{j=i}^{+\infty} p(x=i) | Y=j) = (i-1) | (1-p)^{i-2} | p | (j=2,2,...)$ 

 $|0, F(x,y)| = \begin{cases} 0 & x = x = x \\ \int_{0}^{x} \int_{0}^{x} \cos n \cdot \cos v \, dn \, dv, & 0 \leq x \leq \frac{1}{2} \cdot 1 \cos y \leq \frac{1}{2} \\ \int_{0}^{x} \int_{0}^{x} \cos n \cdot \cos v \, dn \, dv, & 0 \leq x \leq \frac{1}{2} \cdot 1 \cos y \leq \frac{1}{2} \end{cases}$ 

 $\int_{0}^{y} \int_{0}^{\frac{1}{2}} un \cos y dn dy , \times 2^{\frac{1}{2}} \cdot 0 = y = \frac{1}{2}$ 

 $\int_{0}^{x} \int_{0}^{u} e^{-u} dv du = 0 < x \le y$   $\int_{0}^{x} \int_{v}^{x} e^{-u} du dv = 0 < x \le y$ 

7. 
$$f(x,y)$$
: 
$$\begin{cases} 0, & x \in \partial y \neq 0 \\ 1-e^{x}-xe^{x}, & 0 < x < y \end{cases}$$

$$|-e^{x}-y\cdot e^{x}, & 0 < x < y \end{cases}$$

$$|z|$$
,  $|z|$ ,  $|z|$ 

$$(v), f_{Y}(y) = \int_{-\infty}^{+\infty} f(x,y) dx$$

$$\frac{1}{2}\int_{\gamma}^{+\infty} e^{-x} dx =$$

$$F_{Y}(y) = P(Y \le y) = \begin{cases} 0 & y \le 0 \\ -y & y > 0 \end{cases}$$