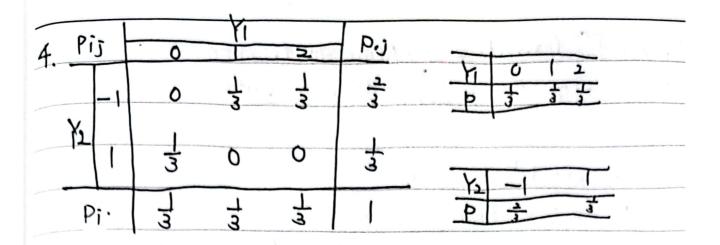
l. Pij		X				P.j=EiPij
		0	1	2	3	P. 3=41P1)
	0	0	0	35	35	1 2
<u> </u>		-0-	35	35	35	7
	2	35	<u>6</u>	35	0	7 7
$P_{i} = \sum_{j} P_{ij}$		当5	35	18	<u>4</u> 35	1

_4		A CANAL DE CONTRACTOR	
(1)		*	
3. PT	i	וו א היי ביון ח	· PJ
	1	0 h(n-i) · · · h(n-i) h(n-i)	10
Y	1 1	ncn-1) ncn-1)	15
	n-1		j
	n	$\frac{1}{h(n-1)} \frac{1}{h(n-1)} - \frac{1}{h(n-1)}$	7
P7.		7 7 7 -	-

	b	ì.	113	X		1.0
(2)	7		1	Σ	3	14.7
	٢	2 2	040-	407	6	W-LW-
		9	6	6	0	3
	Pi		3	3	3	1



(2)
$$P(0 \le X \le 2, 0 < Y \le 1) = \int_0^2 \int_0^1 8e^{-2x-4y} dxdy$$

= $(e^{-4}-1)^2 = 0.9637$

(3)
$$P(x+Y<1) = \int_0^1 dx \int_0^{1-x} 8e^{-2x-4y} dy = 1-2e^{-2}+e^{-4}$$

当x70,7>0日寸
$$F(x,y) = \int_0^y \int_0^x 8e^{-2x-4y} dy dx =$$

$$1+e^{-2x-4y}-e^{-4y}-e^{-2x} = (1-e^{-4y})(1-e^{-2x})$$

6.
$$P(X>100,Y>100) = |-P(X\leq100) - P(Y\leq100) + P(X<100,Y<100)$$

$$F_{x}(x) = F(x_1 + \infty) = 1 - e^{-0.01x}, x \ge 0$$

7. (1)
$$\int_{0}^{2} dx \int_{0}^{\frac{1}{2}} kx dy = \frac{4}{5}k = 1$$
, $k = \frac{3}{4}$
(2) $P(x+1/5) = \int_{0}^{\frac{1}{2}} dy \int_{-1}^{2-y} \frac{4}{5}x dx = \frac{5}{4}$

(2)
$$P(x+y \le z) = \int_{\frac{1}{2}}^{\frac{1}{2}} dy \int_{-1}^{2-y} \frac{1}{4} x dx = \frac{5}{9}$$

(3)
$$f_{x}(x) = \int_{-\infty}^{\infty} f(x,y) dy$$

月人(A)= 2-∞ fcx,A)qx , 司 A を coリコロシ f L CA) = 0

(コ) P(X ≥ Y) = ∫ dx ∫ x² 対 dy = ショ (コ) P(X ≥ Y) = ∫ dx ∫ x² 対 dy = ショ (コ) P(X ≥ Y) = ∫ dx ∫ x² 対 dy = ショ