

For 
$$x > 2$$
,  $y > 1$  (Region 3),

F(x,y) =  $\frac{2}{3}$   $\frac{1}{3}$   $\frac{1}{4}$  ( $x + 2t$ ) dordt = 1.

For  $0 < x < 2$ ,  $y > 1$  (Region  $IV$ ),

F(x,y) =  $\frac{1}{3}$   $\frac{1}{4}$  ( $x + 2t$ ) dordt

-  $\frac{1}{4}$   $\frac{1}{3}$  ( $x + 2t$ ) dordt

-  $\frac{1}{4}$   $\frac{1}{3}$  ( $x + 2t$ ) do dx

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-  $\frac{1}{4}$   $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{4}$ 

5) 
$$P(x \le x, y) = \frac{1}{2}$$

For  $x < 0$  or  $y < 0$ ,  $F(x, y) = 0$ .

For  $0 \le x \le 2$  and  $0 \le y \le 1$ .

 $F(x, y) = \frac{1}{2} = \frac{$ 

For 
$$x \neq 2$$
,  $y \neq 1$ ,  $F(x,y) = 1$ .

For  $0 \leq x \leq 2$ ,  $y \neq 1$ ,  $F(x,y) = \frac{1}{2} \cdot \frac{\lambda}{4} \cdot \frac{\lambda}{2} + 1$ 

Then:

$$0 \quad \text{if } x < 0 \text{ or } y < 0$$

$$2 \quad \text{if } x < 0 \text{ or } y < 0$$

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$$2 \quad \text{if } x > 2 \cdot \frac{\lambda}{2} \cdot \frac{\lambda}{2} = \frac{\lambda}{2} \cdot \frac{\lambda}{2} \cdot$$