$$e_{x} = \begin{cases} f(x,y) = \begin{cases} 6e^{-(2x+3y)} & x>0, y>0 \\ 0 & 0.0. \end{cases}$$

$$f(x) = \begin{cases} \int_{y=0}^{\infty} 6e^{-(2x+3y)} dy = \begin{cases} 2e^{-2x} & x>0 \\ 0 & else \end{cases}$$

$$f(y) = \begin{cases} \int_{x=0}^{\infty} 6e^{-(2x+3y)} & \int_{z=3y}^{z=3y} & y>0 \\ 0 & else \end{cases}$$

$$f(x) = \begin{cases} \int_{x=0}^{\infty} 6e^{-(2x+3y)} & \int_{z=3y}^{z=3y} & \int_{z=3y}^{z=3y} & f(x) \\ 0 & else \end{cases}$$

$$f(x) = \begin{cases} \int_{x=0}^{\infty} 6e^{-(2x+3y)} & \int_{z=3y}^{z=3y} & \int_{z=3y}^{z=3y} f(x) \\ 0 & else \end{cases}$$

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$$e_{x}$$
)  $f(x,y) = \begin{cases} 5 \\ 7 \\ 0 \end{cases} (5x+7y) \quad O(x<1); \quad O(y<1)$ 

$$f(x) = \begin{cases} (x/y) = \frac{b(x,y)}{f(y)} = \frac{7}{3} \frac{5x+7y}{2} = \frac{5x+7y}{3} = \frac{5x+7y}{2} = \frac{5x+7y}{$$

$$\frac{3}{1} \frac{3}{10} \frac{7}{10} \frac{3}{10} \frac{1}{10} \frac{3}{10} \frac$$

 $\{(\mathcal{X}_1, \mathcal{X}_2, \mathcal{X}_3, \mathcal{X}_4, \mathcal{X}_5)$ 

$$\begin{cases}
(\mathcal{X}_{5} \mid \chi_{1}, \chi_{2}, \chi_{3}, \chi_{4}) \\
= \frac{f(\chi_{1}, \chi_{1}, \chi_{3}, \chi_{4}, \chi_{5})}{f(\chi_{1}, \chi_{2}, \chi_{3}, \chi_{4})}
\end{cases}$$

 $\begin{cases}
\left(\mathcal{X}_{2}, \mathcal{X}_{3} \middle| \mathcal{X}_{1}, \mathcal{X}_{4}, \mathcal{X}_{5}\right) \\
\left(\mathcal{X}_{2}, \mathcal{X}_{3}, \mathcal{X}_{4}, \mathcal{X}_{5}\right) \\
\left(\mathcal{X}_{1}, \mathcal{X}_{4}, \mathcal{X}_{5}\right)
\end{cases}$ 

