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$$y : \frac{x-9}{x^2-3x} \quad x \in [1,2]$$

$$\frac{X-9}{X(X-3)} = \frac{A}{X} + \frac{B}{X-3}$$

$$A = \int_{-\infty}^{\infty} \left[3x^{-1} - 2(x-3)^{-1} \right] dx = \left[3901x1 - 2901x - 31 \right]_{-\infty}^{\infty} (3902 - 2901) - (3801 - 2902)$$

$$= 3902 + 2902 + 5902$$

$$\frac{A_3 + g X_5 + 1 e X}{X_5 + 10 X + 1 e} = \frac{X(X_5 + g X + 1 e)}{X_5 + 10 X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e} = \frac{X}{X} + \frac{X_5 + g X + 1 e}{g X + 1 e}$$

$$\sum_{z} \left[X_{-1} + \frac{(x+4)_{5}}{5} \right] 9x = \left[\frac{3}{5} \frac{1}{1} \frac{x}{1} - \frac{(x+4)_{-1}}{5} \cdot S \right]_{c}^{c}$$

$$45 y \cdot \frac{x-9}{x^2-3x} \quad x \in [1,2]$$

method of shell

$$\frac{1}{3}(1) = \frac{-2}{-3} = 4$$
 $\frac{1}{3}(2) = \frac{-2}{-2} = 3.5$

$$\int_{0}^{1} 2\pi \cdot x \frac{x-9}{x^{\frac{1}{2}-3}} = 2\pi \int_{0}^{1} \frac{x-9}{x-3} dx \cdot 2\pi \int_{0}^{1} (1-\frac{6}{x-3}) dx = 2\pi \left[x - 691 (x-3) \right]_{0}^{2}$$

$$\int_{1}^{1} S44 \cdot X \times \frac{x_{1}-3x}{x_{1}-3x} = S44 \int_{1}^{1} \frac{x_{1}-3}{x_{1}-3} dx \cdot S44 \int_{1}^{1} (1-\frac{x_{1}-3}{x_{1}-3}) dx - S44 \left[x_{1}-634 \right]_{1}^{2}$$

$$\begin{bmatrix} 24.7 & 1.3 & 24.3 &$$

$$x-3 | x-9 | x-9 | x-3 | x-3$$

$$\int_{2}^{5} 54LX \frac{X_{3} + RX_{5} + 10X}{X_{5} + 10X + 10} qX = 54L \int_{2}^{5} \frac{X_{5} + RX + 10}{X_{5} + 10X + 10} = 54L \int_{2}^{5} \frac{X_{5} + RX + 10}{X_{5} + 10X + 10} qX$$

$$\int_{(X_1 + 1)^2}^{(X_1 + 1)^2} dx \cdot \int_{0}^{0} \frac{\partial^2}{\partial x^2} dx \cdot \int_{0}^{1} (\partial_{x_1} - \partial_{x_2} - \partial_{x_1} - \partial_{x_2} - \partial_{x_1} - \partial_{x_2} - \partial_{x_2} - \partial_{x_1} - \partial_{x_2} - \partial_{x_2} - \partial_{x_1} - \partial_{x_2} -$$

$$-2\pi[(5+2\ln 9+\frac{8}{9})-(2+2\ln 6+\frac{8}{6})]$$

$$= 2\pi \left[\frac{53}{9} + 2(209 - 206) - \left(\frac{10}{3} \right) \right] = 2\pi \left[\frac{23}{9} + 220 \frac{3}{5} \right]$$