$$\frac{\partial^{2} y}{\partial x^{2} - 6x + 5} = \int_{0}^{1} \frac{dx}{(x - 1)(x - 5)} + \int_{1}^{3} \frac{dx}{(x - 1)(x - 5)} \\
= \int_{0}^{1} \frac{dx}{(x - 1)(x - 5)} = \int_{0}^{1} \frac{A}{x - 1} dx + \int_{0}^{1} \frac{B}{x - 5} dx \\
= \lim_{\alpha \to 1^{-}} A \lim_{\alpha \to 1^{-}} |x - 1| + B \lim_{\alpha \to 1^{-}} |x - 5||_{0}^{\alpha} \\
= \int_{0}^{1} \frac{A \lim_{\alpha \to 1^{-}} A \lim_{\alpha \to 1^{-}} |x - 1|}{|x - 5||_{0}^{\alpha}} + B \lim_{\alpha \to 1^{-}} |x - 1| + B \lim_{\alpha \to 1^{$$

