```
<u>ÖR1</u> y = c_1 \times + c_2 \times + c_3 \times^2, c_1, c_2, c_3 \in \mathbb{R} el iz by egi eilenini citim helaul edun
                                                                                                                                                                                                                                                                      endisit netebel 2f. det.?
                                                                                                                                                                                                                                                                     y' = c_1 + 2c_{1x} + 3c_{3x}^{2}
y'' = 2c_{1x} + 6c_{2x}
y''' = bc_{3} \Rightarrow c_{3} = \frac{y'}{b}
y''' = bc_{3} \Rightarrow c_{3} = \frac{y'}{b}
y''' = bc_{3} \Rightarrow c_{3} = \frac{y'}{b}
y''' = bc_{3} \Rightarrow c_{4} = \frac{y'}{b}
y''' = bc_{3} \Rightarrow c_{4} = \frac{y'}{b}
                                                                                                                                                                                                                                                                            y = x(y' - xy'' + \frac{x^2}{2}y''') + x^2(\frac{y''}{2} - \frac{x}{2}y''') + x^3(\frac{y'''}{2})
                                                                                                                                                                                                                                                                                y = xy' + (-x^2 + \frac{x^2}{2})y'' + (\frac{x^3}{2} - \frac{x^3}{2} + \frac{x^3}{6})y'''
                                                                                                                                                                                                                                                                               y = xy' - x^2 + x^3 + 
                                                                                                                                                                                       y = x \left( \frac{1}{2} + 2 + 3 + 3 + 3 + 3 \right) - \frac{x^2}{2} \left( 2 + 2 + 6 + 3 \right) + \frac{x^3}{6} \left( 6 + 2 \right) = \frac{1}{2} \left( 2 + 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 6 + 3 \right) = \frac{1}{2} \left( 2 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}{6} \left( 3 + 3 + 3 \right) + \frac{x^3}
                                                                                                                                                                                                                                                                                                         2c\sqrt{x} - c2x^{2} + 3c3x^{2} - 3c3x^{3} + c3x^{2} = c2x^{2} + c3x^{3}
                                                                                                                                                                                                               (X+TX) y' = y+Ty genel (stimi?
                                                                                                                               (x+1x) \frac{dy}{dx} = y+1y \Rightarrow \frac{dy}{y+1x} = \frac{dx}{x+1x} \Rightarrow \int \frac{dy}{y+1x} = \int \frac{dx}{x+1x} + 2\ln x
                                                            J = \int \frac{dy}{y + \sqrt{y}}; \left[ \sqrt{y} = t \Rightarrow y = t^2 \right] J = \int \frac{2t}{t^2 + t} = 2 \int \frac{dt}{t+1} = 2 \ln |t+1| = 2 \ln |t-1| old.
                                                                                        Arana quel citim 2h|Ty+1|=2h|Tx+1|+2hc \Rightarrow Ty+1=(Tx+1)c \Rightarrow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              y = (c \sqrt{1} x + 1) - 1)^{2} 4
                    \frac{\partial 23}{\partial y} = \frac{2}{y} = \frac{1}{y} =
                                              \frac{dx}{2} = \frac{dx}{2} = \frac{x^2}{2} dx \qquad \Rightarrow \int \frac{dy}{dy} = \int \left(\frac{x^2}{2} - \frac{x}{2}\right) dx + c \Rightarrow \ln y = -\frac{x}{2} - \ln x + c
                y(+) = 1 \Rightarrow y = \frac{1}{x} - \frac{1}{x} - \frac{1}{x} + c \Rightarrow c = 1 \Rightarrow y = \frac{1}{x} - \frac{1}{x} - \frac{1}{x} = \frac{1}{x}
\frac{\partial 24}{\partial x} = \frac{23+3}{111} = \frac{23+3}{2}
                                                                                                       \frac{dy}{dx} = \frac{(2y+3)^2}{(4x+5)^2} \Rightarrow \frac{dy}{(2y+3)^2} = \frac{dx}{(4x+5)^2} \Rightarrow \int \frac{dy}{(2y+3)^2} = \int \frac{dx}{(4x+5)^2} = \int \frac{dx}{(4x+
                                                                                      (2y+3=t, 4x+5=u) (2y+3=t, 4x
                                                                                                                                                                                                                          \frac{2}{t} = \frac{1}{4} + 4c \Rightarrow \frac{2}{24 + 3} = \frac{1}{4 \times 45} + 4c \qquad 1
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