$$\frac{\chi}{(\chi-1)} \left(\frac{\lambda}{2}\chi+3\right)^{2} = \frac{A}{(\chi-1)} + \frac{B}{(2\chi+3)}$$

$$= 3 \quad \chi = A \left(\frac{\lambda}{2}\chi+3\right) + B(\chi-1)$$

$$Put \quad \chi = -3 = 7A = \frac{1}{5}$$

$$Put \quad \chi = -3 = 7A = \frac{3}{5}$$

$$\frac{\chi}{(\chi-1)} = \frac{3}{5} = \frac{3}{5}$$

$$\frac{\chi}{(\chi-1)} = \frac{1}{5} = \frac{3}{5} = \frac{3}{5}$$

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Differentiety ntimes, we get.

$$y_n = \frac{1}{5} \frac{(-1)^n n!}{(2c-1)^{n+1}} + \frac{3}{5} \frac{(-1)^n n! 2^n}{(-1)^n n!}$$