$$\frac{(3x^{2}+5x+4)}{(x+1)(x+2)(x+3)} = \frac{C_{1}}{x-1} + \frac{C_{2}}{x-2} + \frac{C_{3}}{x-3}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-3)} + \frac{C_{2}(x-1)(x-3)}{(x-1)(x-3)} + \frac{C_{3}(x-1)(x-2)}{(x-1)(x-3)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-3)} + \frac{C_{2}(x-1)(x-3)}{(x-2)(x-3)} + \frac{C_{3}(x-1)(x-2)}{(x-2)(x-3)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)} + \frac{C_{2}(x-1)(x-3)}{(x-2)(x-3)} + \frac{C_{3}(x-1)(x-2)}{(x-2)(x-3)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-3)} + \frac{C_{2}(x-1)(x-3)}{(x-2)(x-3)} + \frac{C_{3}(x-1)(x-2)}{(x-2)(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-3)} + \frac{C_{2}(x-1)(x-3)}{(x-2)(x-3)} + \frac{C_{3}(x-1)(x-2)}{(x-2)(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-3)} + \frac{C_{2}(x-1)(x-3)}{(x-2)(x-3)} + \frac{C_{3}(x-1)(x-2)}{(x-2)(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-3)} + \frac{C_{3}(x-1)(x-3)}{(x-2)(x-2)} + \frac{C_{3}(x-1)(x-2)}{(x-2)(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-2)(x-2)} + \frac{C_{3}(x-1)(x-3)}{(x-2)(x-2)} + \frac{C_{3}(x-1)(x-2)}{(x-2)(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-2)} + \frac{C_{3}(x-2)}{(x-2)} + \frac{C_{3}(x-2)}{(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)(x-2)} + \frac{C_{3}(x-2)}{(x-2)} + \frac{C_{3}(x-2)}{(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)} + \frac{C_{3}(x-2)}{(x-2)} + \frac{C_{3}(x-2)}{(x-2)} + \frac{C_{3}(x-2)}{(x-2)}$$

$$\frac{(5x^{2}+5x+4)}{(x-2)} + \frac{C_{3}(x-2)}{(x-2)} + \frac{C_{3}(x-2)}{(x-2)}$$