$$\oint (t) = \frac{2}{4x-1} + \frac{4}{x+2}$$

$$-\frac{8}{(4x-1)^{2}} - \frac{4}{(x+2)^{2}} - \frac{8(x+1)^{2} - 4(4x-1)^{2}}{(4x-1)^{2} \cdot (x+2)^{2}}$$

$$= -8(x^2 - 4x + 4) - 4(16x^2 - 8x + 1)$$

$$= -(4x - 1)^2 \cdot (x + 2)^2$$

$$= \frac{-8x^{2}-32x-31-64x^{2}}{(4x^{2}+7x-2)^{2}} = \frac{-72x^{2}+36}{(4x^{2}+7x-2)^{2}}$$

$$cul = \times \left(\frac{-7^{2}x^{2} + 36}{(4x^{2} + 7x^{-2})^{2}}\right) = \frac{2}{(4x^{2} + 7x^{-2})^{2}}$$

$$= \frac{2}{4x^{-1}} + \frac{4}{x^{+2}}$$

$$= \frac{(-7^{2}x^{2} + 36)}{(4x^{-1}) + (4x^{-1})}$$

$$= \frac{7}{(4x^{-1}) + (4x^{-1})} \cdot \frac{(4x^{-1}) + (x^{+2})}{(4x^{2} + 7x^{-2})^{2}} \cdot \frac{(4x^{-1}) + (x^{+2})}{(4x^{2} + 7x^{-2})^{2}} = \frac{7}{4x^{2} + 36}$$

$$= \frac{7}{(4x^{2} + 36) \cdot (4x^{-1}) \cdot (x^{+2})} = \frac{7}{4x^{2} + 36}$$

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$$\int_{-4x^{2}}^{1} \frac{1}{4z} = \frac{2}{2} = -1$$

$$4 = 0$$

$$4x^{2} + 7x - 2$$

$$\frac{1}{3} \frac{3}{3} \times \frac{2}{3} = \frac{1}{3} \frac{1}{3} \left(\frac{1}{3} \right) \left(\frac{1}{3}$$