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$$\frac{\int M_{1} \log_{1} \log_{1} \log_{1} dx}{\int S_{1}^{3} x_{1}^{3} x_{2}} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}}{\int (x_{1})^{3} (x_{1}^{3} x_{2}^{3} x_{2}^{3})} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}}{\int (x_{1}^{3})^{3} (x_{1}^{3} x_{2}^{3} x_{1}^{3})} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}}{\int (x_{1}^{3})^{3} (x_{1}^{3} x_{2}^{3} x_{1}^{3})} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}}{\int (x_{1}^{3})^{3} (x_{1}^{3} x_{2}^{3} x_{1}^{3})} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3}}{\int (x_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3})} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3}}{\int (x_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3})} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3}}{\int (x_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3} x_{1}^{3})} dx$$

$$\frac{\int S_{1}^{3} x_{1}^{3} x_{1}$$

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Dellidopopuling: How to do it? $\int \frac{P(x)}{a(x)} dx$

1 this grad (P(x1) = grad (Q(x1), sie polynamdiciden fürt.

$$\int \frac{\text{Ebsenpel}:}{x-1} \int \frac{2x^2+3x-1}{x-1} dx$$

Ebsenpel: $\int \frac{2x^2 + 3x - 1}{x - 1} dx$ Polynom dividuen: $2x^2 + 3x - 1 : x - 1 = 2x + 5$ $- (2x^2 - 2x)$ - (5x - 5) - (5x - 5) - (- 5x - 5) - (- 5x - 5) - (- 5x - 5)

 $\int \frac{2x^2 + 3x - 1}{x - 1} dx = \int \left(2x + 5 + \frac{4}{x - 1} \right) dx = x^2 + 5x + 4 \ln|x - 1| + C$

2. Faldvisér verneren:

 $Q(x) = (x-v_1)^{v_1} \qquad (x+a_1x+b_2)^{v_2} \qquad \cdots$

3 Gremantis dellotetepppelhigen:

 $\frac{P(x)}{Q(x)} = \frac{\lambda_1}{(x-v_1)} + \frac{\lambda_2}{(x-v_1)^2} + \dots + \frac{\lambda_{w_1}}{(x-v_1)^{w_1}} + \dots$

 $+ \frac{B_1 \times + C_1}{(x^2 + a_1 \times + b_1)} + \cdots + \frac{B_m \times + C_m}{(x^2 + a_1 \times + b_1)} + \cdots$

4 Interior ledd for ledd:

Problem: Vel ihr hvorden n'integrerer dure !!

Lösning: Kommer ikte på

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