

The image shows a 4x4 grid of colored squares (yellow, green, black, blue) placed over a background of mathematical formulas and handwritten notes. The grid is composed of 16 squares arranged in 4 rows and 4 columns. The colors of the squares are as follows:

Yellow	Green	Green	Yellow
Green	Green	Green	Green
Black	Green	Green	Blue
Yellow	Green	Green	Blue

The background contains various mathematical formulas and handwritten notes, including:

- $\int e^x dx = e^x + C$
- $\int \frac{1}{x} dx = \ln|x| + C$
- $\int \frac{1}{x^2} dx = -\frac{1}{x} + C$
- $\int \frac{1}{x^3} dx = -\frac{1}{2x^2} + C$
- $\int \frac{1}{x^4} dx = -\frac{1}{3x^3} + C$
- $\int \frac{1}{x^5} dx = -\frac{1}{4x^4} + C$
- $\int \frac{1}{x^6} dx = -\frac{1}{5x^5} + C$
- $\int \frac{1}{x^7} dx = -\frac{1}{6x^6} + C$
- $\int \frac{1}{x^8} dx = -\frac{1}{7x^7} + C$
- $\int \frac{1}{x^9} dx = -\frac{1}{8x^8} + C$
- $\int \frac{1}{x^{10}} dx = -\frac{1}{9x^9} + C$
- $\int \frac{1}{x^{11}} dx = -\frac{1}{10x^{10}} + C$
- $\int \frac{1}{x^{12}} dx = -\frac{1}{11x^{11}} + C$
- $\int \frac{1}{x^{13}} dx = -\frac{1}{12x^{12}} + C$
- $\int \frac{1}{x^{14}} dx = -\frac{1}{13x^{13}} + C$
- $\int \frac{1}{x^{15}} dx = -\frac{1}{14x^{14}} + C$
- $\int \frac{1}{x^{16}} dx = -\frac{1}{15x^{15}} + C$
- $\int \frac{1}{x^{17}} dx = -\frac{1}{16x^{16}} + C$
- $\int \frac{1}{x^{18}} dx = -\frac{1}{17x^{17}} + C$
- $\int \frac{1}{x^{19}} dx = -\frac{1}{18x^{18}} + C$
- $\int \frac{1}{x^{20}} dx = -\frac{1}{19x^{19}} + C$
- $\int \frac{1}{x^{21}} dx = -\frac{1}{20x^{20}} + C$
- $\int \frac{1}{x^{22}} dx = -\frac{1}{21x^{21}} + C$
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- $\int \frac{1}{x^{98}} dx = -\frac{1}{97x^{97}} + C$
- $\int \frac{1}{x^{99}} dx = -\frac{1}{98x^{98}} + C$
- $\int \frac{1}{x^{100}} dx = -\frac{1}{99x^{99}} + C$

The image shows a 3x3 grid of colored squares, likely representing a 3x3 matrix or a set of data points. The colors are yellow, green, blue, and black. The grid is overlaid on a background of mathematical formulas and handwritten notes, which appear to be a mix of mathematical expressions and symbols, possibly related to the context of the image (e.g., a math problem or a document). The formulas include various mathematical symbols and expressions, such as  $\frac{1}{x}$ ,  $\frac{1}{y}$ ,  $\frac{1}{z}$ ,  $\frac{1}{w}$ ,  $\frac{1}{v}$ ,  $\frac{1}{u}$ ,  $\frac{1}{t}$ ,  $\frac{1}{s}$ ,  $\frac{1}{r}$ ,  $\frac{1}{q}$ ,  $\frac{1}{p}$ ,  $\frac{1}{o}$ ,  $\frac{1}{n}$ ,  $\frac{1}{m}$ ,  $\frac{1}{l}$ ,  $\frac{1}{k}$ ,  $\frac{1}{j}$ ,  $\frac{1}{i}$ ,  $\frac{1}{h}$ ,  $\frac{1}{g}$ ,  $\frac{1}{f}$ ,  $\frac{1}{e}$ ,  $\frac{1}{d}$ ,  $\frac{1}{c}$ ,  $\frac{1}{b}$ ,  $\frac{1}{a}$ ,  $\frac{1}{x}$ ,  $\frac{1}{y}$ ,  $\frac{1}{z}$ ,  $\frac{1}{w}$ ,  $\frac{1}{v}$ ,  $\frac{1}{u}$ ,  $\frac{1}{t}$ ,  $\frac{1}{s}$ ,  $\frac{1}{r}$ ,  $\frac{1}{q}$ ,  $\frac{1}{p}$ ,  $\frac{1}{o}$ ,  $\frac{1}{n}$ ,  $\frac{1}{m}$ ,  $\frac{1}{l}$ ,  $\frac{1}{k}$ ,  $\frac{1}{j}$ ,  $\frac{1}{i}$ ,  $\frac{1}{h}$ ,  $\frac{1}{g}$ ,  $\frac{1}{f}$ ,  $\frac{1}{e}$ ,  $\frac{1}{d}$ ,  $\frac{1}{c}$ ,  $\frac{1}{b}$ ,  $\frac{1}{a}$ .

Handwritten mathematical work on a grid background, showing various calculus problems and solutions. The work includes integration of functions like  $x^a$ ,  $x^a \ln x$ , and  $x^a/(a+b)$ , as well as differentiation of functions like  $f(x) = ax^2 + bx + c$ . The solutions involve logarithmic and algebraic manipulations. The grid background is a 10x10 grid of yellow squares, with some squares containing black dots or numbers.

[illegible]