lecture ef $f(x) = x^{3} + c - 3 \qquad f'(x) = J x^{2}$ $f(x) = x^{n} - 3 \qquad f'(x) = J x^{n-1}$ Faxialx = fax + C integrand antidecivatine symbol x, dx = x 1+1 + C. (n+-1) differential $\int x^{\circ} dx = x^{\circ}$ J k dx = kx + C KER $x^{-}blx = \int \frac{dx}{x}$ = lu/x/+C $\int \frac{dx}{x^2} = \int x^2 dx$ $\left(\frac{1}{x}\right) = -\frac{1}{x^2}$ = x + C = - + C + 5 4 + + = 4+5 $\int X = \int X dx = \int X dx$ = 3 x 4/3 + C/