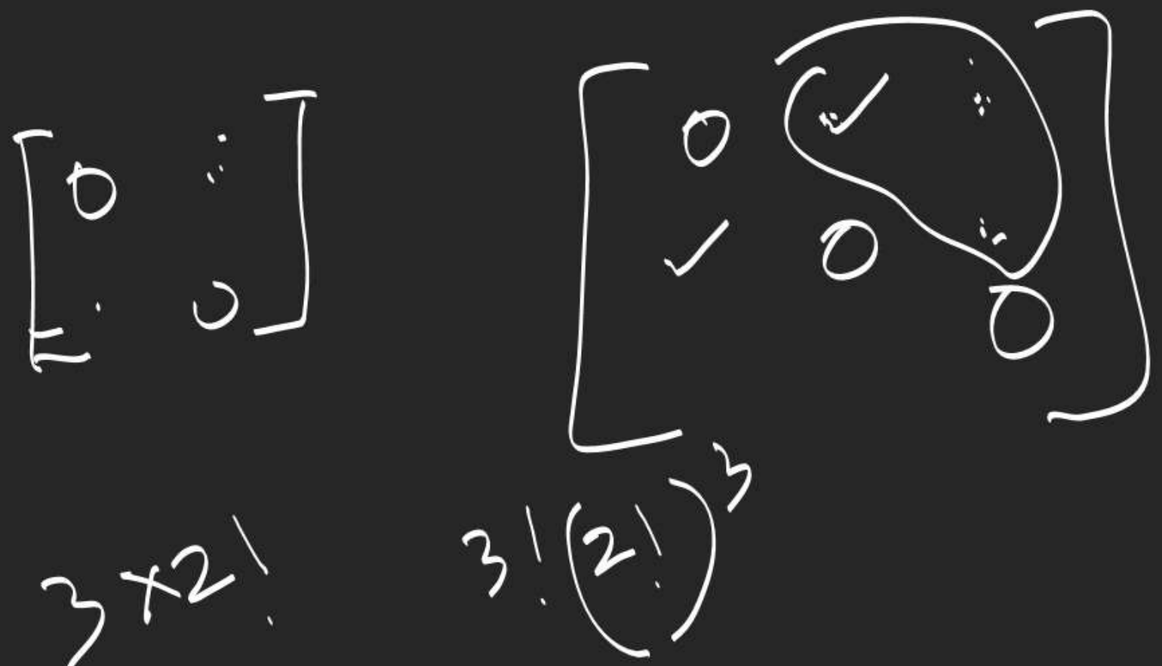
Nishant Jindal



$3 \times 2!$

$3!(2!)^3$

Nishant Jindal

$$3^q \int_0^{\frac{1}{n}} (1+x)^n x^3 \, dx$$

$$\frac{{}^{n+1}C_{r+1}}{n+1}\frac{1}{n^{r+1}} - \frac{3n^2\,{}^{n+2}C_{r+2}}{(n+1)(n+2)n^{r+2}} + \frac{6n^3\,{}^{n+3}C_{r+3}}{(n+1)(n+2)(n+3)n^{r+3}} - \frac{6n^4\,{}^{n+4}C_{r+4}}{(n+1)(n+2)(n+3)(n+4)n^{r+4}}$$

$$\left(1+\frac{1}{n}\right)^{n+1} - 1$$

$$e - 1 \leftarrow -3$$

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