$$\beta$$
) $\begin{pmatrix} a & q \\ u \end{pmatrix}$

$$(3x-74)^{9} \text{ of } x^{4}y^{5}$$

$$(9)(3x)^{9}(-74)^{5} = (176)(81)(-32)x^{4}y^{5}$$

$$= -326592x^{4}y^{5}$$

$$\frac{2(2)!}{(2)!(u-1)!} = \frac{24}{(2!)(u-1)!} = \frac{24}{21} = 6$$

$$\frac{2n!}{2!(2n-2)!} = 2\left(\frac{n!}{2!(n-2)!}\right) + n^2 \qquad \frac{2(n!)}{2!n!!(n-2)!} = \frac{n!}{(n-2)!} + n^2$$

$$\frac{(2n)(2n-1)(2n-1)(2n-1)}{2!(2n-2)!} = \frac{n \cdot (n-1) \cdot (n-1)!}{(n-2)!} + h^2$$

$$\frac{(2n)(2n-1)}{2} = \frac{(2n)(2n-1)}{2}$$

$$\frac{(2n)(2n-1)}{2}$$

Begin: $2 \cdot \binom{6}{6} = 1440$ (1769431) or (2169431)