$$\begin{array}{c}
O_{n} = (2n-1)^{2} \\
\sum_{k=1}^{n} O_{k} \\
= \sum_{k=1}^{n} 4k^{2} - \sum_{k=1}^{n} 4k + \sum_{k=1}^{n} 1 \\
= \frac{2}{3} n(n+1)(2n+1) - 2n(n+1) \\
+n \\
(\frac{4}{3}n + \frac{2}{3} - 2) n(n+1) + n
\end{array}$$

$$\begin{array}{c}
O_{n} = \frac{1 \cdot (2^{n} - 1)}{2 - 1} = 2^{n} - 1 \\
\frac{4}{3}n - \frac{4}{3} \\
= \frac{4}{3}n^{3} - \frac{1}{3}n$$

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O_{n} = \frac{1 \cdot (2^{n} - 1)}{2 - 1} = 2^{n} - 1 \\
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$$\begin{array}{c}
O_{n} = \sum_{k=1}^{n} O_{k}^{k} - 1
\end{array}$$

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$$\mathcal{O}_{k} = \left[ c \cdot \left( n + 1 - k \right) \right] \\
\frac{(n+1)n(n+1)}{2} - \frac{1}{6}n(n+1)(2n+1) \\
= \frac{n(n+1)}{6}(3n+3) - 2n - 1$$

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

$$\frac{n(n+1)(2n+1)}{2} + \frac{n(n+1)}{4}$$

$$\frac{n(n+1)(2n+1)}{12} + \frac{n(n+1)}{4}$$

$$\frac{n(n+1)(2n+1)}{12} + \frac{n(n+1)(2n+2)}{6}$$

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

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

$$\frac{n}{k} = \frac{n(n+1)(2n+1)}{2}$$

$$\frac{n}{k} =$$

$$0n = 3 + 56 = 6$$

$$0n = \frac{3n^2 + 2n}{-3(n^2 - 2n + 1) - 2(n - 1)}$$

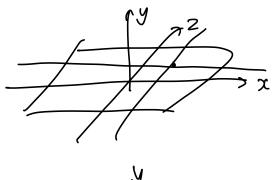
$$= \frac{6n - 1}{n^2 + 2n} = \frac{6n - 1}{n^2 + 2$$

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

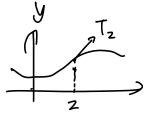
$$\frac{1}{n(n+2)}$$

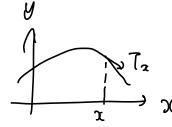
$$\frac{1}{2}\left(\frac{1}{n} - \frac{1}{n(n+2)} - \frac{2}{n(n+2)}\right)$$

$$\frac{1}{2}\left(\frac{1}{n} - \frac{2}{n(n+2)} - \frac{2}{n(n+2)}\right)$$



$$(x,2) \text{ on a } \text{ of } \text{ o$$





$$T_2$$
  $T_2$   $T_2 \times T_2$ 

$$T_z = [0, \frac{\partial y}{\partial z}, 1]$$
  $T_z = [l \frac{\partial y}{\partial x}, 0]$ 

$$\gamma = T_2 \times T_x = \left(-\frac{\partial y}{\partial x}, \left(-\frac{\partial y}{\partial z}\right)\right)$$

$$y = 0.3\left(2 \sin(0.1x) + 2\cos(0.1z)\right)$$

$$N = -0.3 \cdot 0.12 \cdot \cos(0.1x) - 0.3\cos(0.1z),$$

$$-0.3\sin(0.1x) + 0.3x \cdot 0.1\sin(0.1z)$$