$(10000001)_2$

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About this

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B What will be here?

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C How?

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B What will be here?

C How?

D Thoughts!

The point is this...

Because of this, there is that

$$\sum_{k=0}^{n} k^2 = \frac{n(n+1)(2n+1)}{6}$$

for example, $n = 2$

Then $\sum_{0 \leq k \leq 2} = 0 + 1 + 4 = 5$, and, on the other side $n = 2\frac{n(n+1)\hat{}(2n+1)}{6}$ sets as $\frac{2(2+1)(22+1)}{6}$ or in concrete $\frac{235}{6}$, or even just 5.