

$$\int_{0}^{\infty} \frac{x^{2} + \frac{1}{2} + \frac{1}{2}}{2} dx$$

$$= \int_{0}^{\infty} \left( \frac{1}{5} x^{2} + \frac{1}{2} dx^{2} + \frac{1}{2} dx \right)$$

$$= \int_{0}^{\infty} \frac{1}{5} \left( \frac{1}{5} x^{2} + \frac{1}{2} dx^{2} + \frac{1}{2} dx \right)$$

$$= \int_{0}^{\infty} \frac{1}{5} \left( \frac{1}{5} x^{2} + \frac{1}{2} dx^{2} + \frac{1}{5} dx \right)$$

$$= \int_{0}^{\infty} \frac{1}{5} \left( \frac{1}{5} x^{2} + \frac{1}{5} dx \right) - \left( \frac{1}{5} x^{2} + \frac{1}{5} dx \right)$$

$$= \left( 1 + x + x^{2} + \dots + x^{2} \right) - \left( x + x^{2} + \dots + x^{2} + x^{2$$

$$\frac{1}{1+c} \frac{1}{1+c} \frac{1$$

$$| O \rangle |_{h} + \frac{1}{4} |_{h}$$

12) 
$$A_0 = \frac{4 \cdot 1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$
 $A_1 = \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2} \cdot \frac{1$ 

$$\sum_{i=1}^{n} \frac{1}{n^{2}} = \frac{1+\frac{1}{2}+\frac{1}{4}+\frac{1}{16}+\frac{1}{25}+\frac{1}{36}+\frac{1}{47}+\frac{1}{26}+\frac{1}{21}+\frac{1}{37}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+\frac{1}{27}+$$



