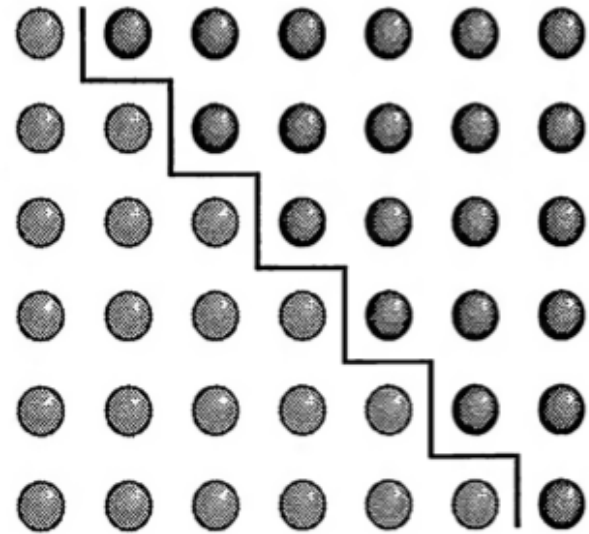
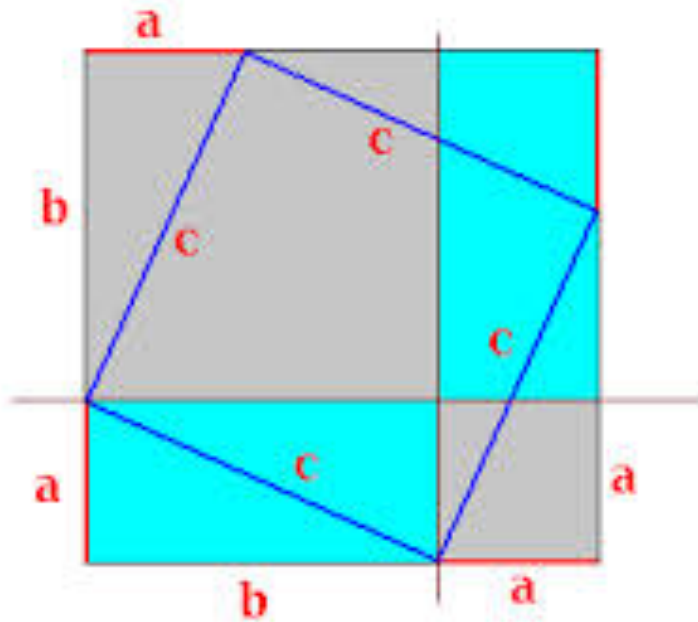
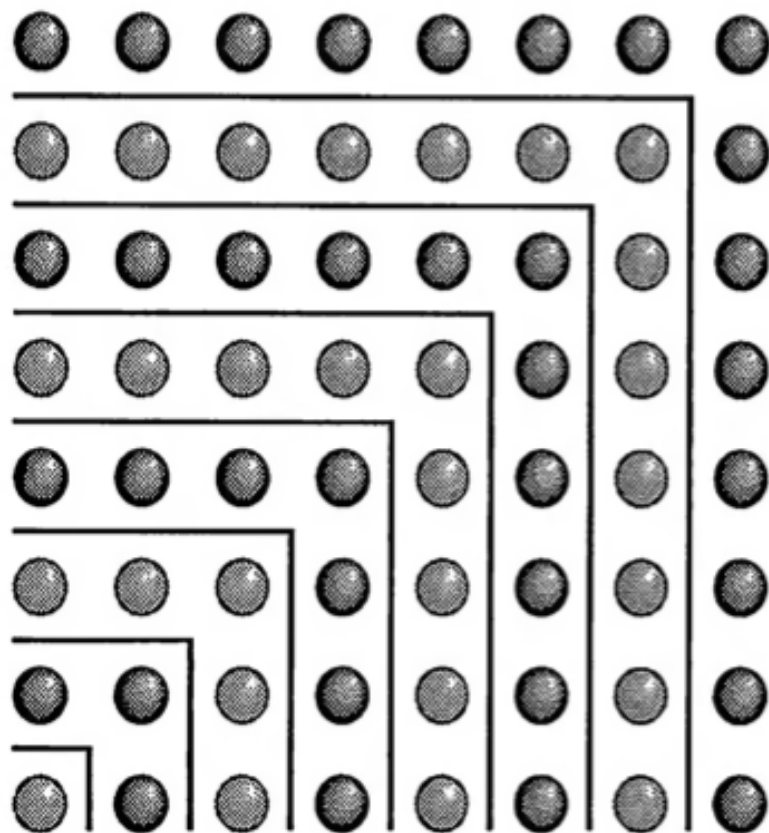


Proofs... without words...

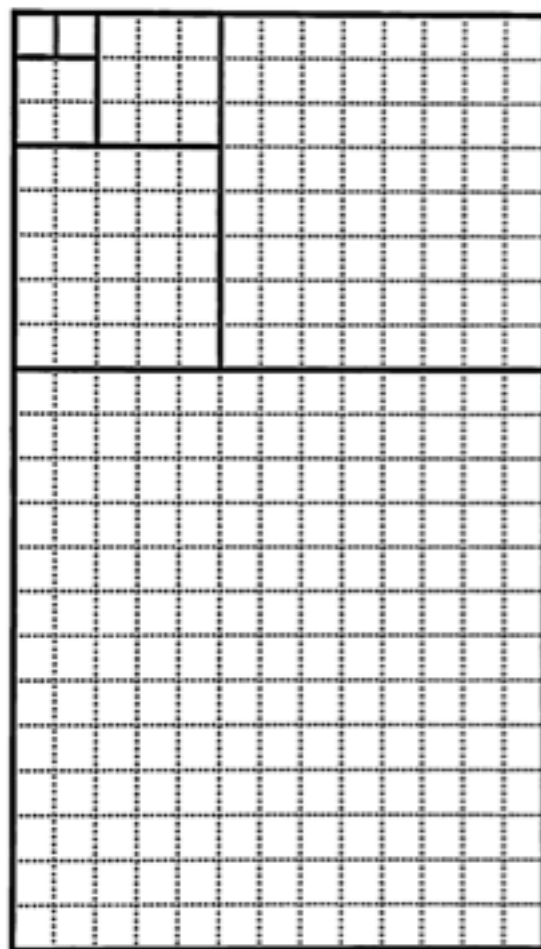
Esempi più classici



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



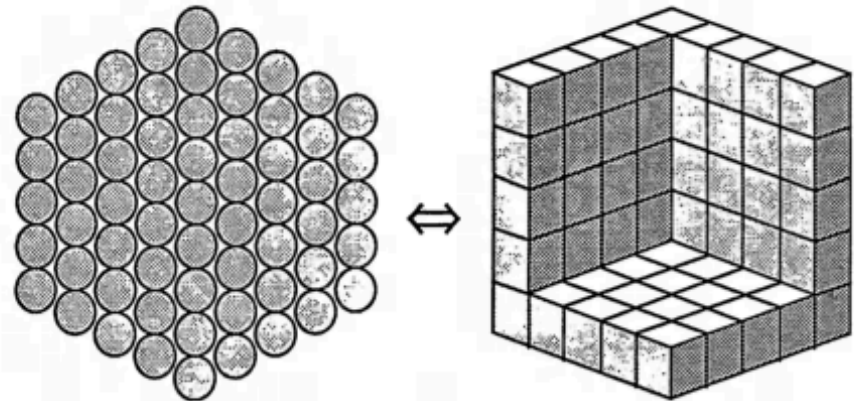
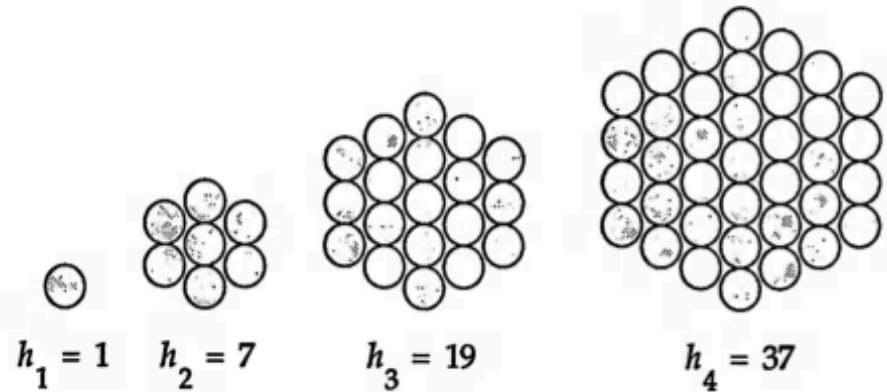
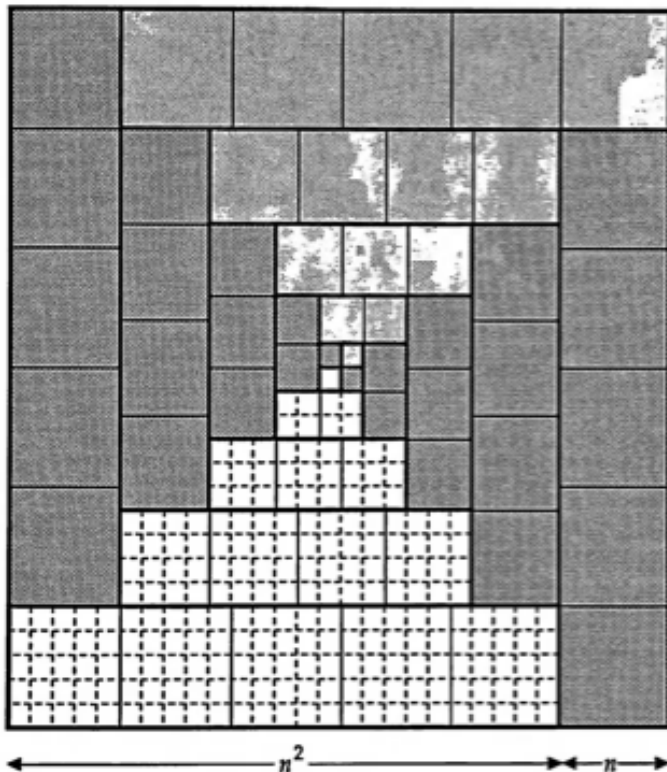
$$1 + 3 + 5 + \dots + (2n - 1) = n^2$$



$$F_1 = F_2 = 1; F_{n+2} = F_{n+1} + F_n \Rightarrow F_1^2 + F_2^2 + \dots + F_n^2 = F_n F_{n+1}$$

I miei preferiti ☺

$$1^3 + 2^3 + 3^3 + \dots + n^3 = \frac{1}{4}[n(n+1)]^2$$



$$h_n = n^3 - (n-1)^3$$

$$\therefore h_1 + h_2 + \dots + h_n = n^3.$$