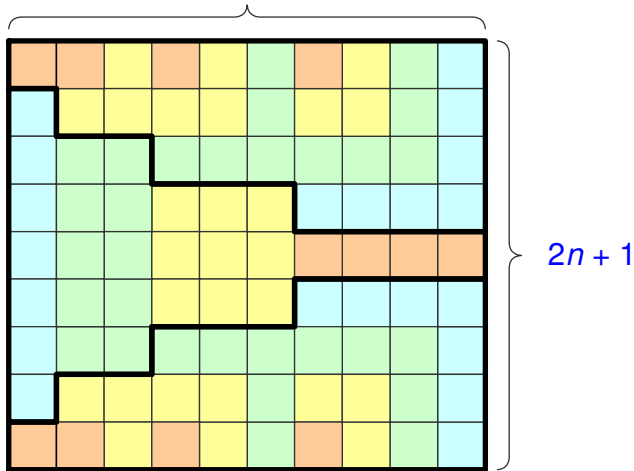


$$\frac{n(n+1)}{2} = 1 + 2 + 3 + \cdots + n$$



$$3S(n) = (2n+1) \frac{n(n+1)}{2}$$