if
$$p(1)$$
 and $p(n)$ is true then $p(n+1)$ will also be true

$$1.2 + \dots + 2 \frac{N(n+1)(n+2)}{3}$$

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

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

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

Inductive step

it in sum of of 18 for more, it 1 or more

74 used (n+1) can be shown by remains

one 74 and replacing it with 2, 4 & stamps

case ?: U or more U(stamps used con be replaced with 3 7 (stamps for n replaced with (nti)

(3) Using information above 1

Inductive step

Assume we con make postage 22184...n

n2)U, By induction we can make (u+1)-2.44 = n-7

just add 2 44 stamps to get (n+1) & postage

4
$$\frac{\beta_{0.5e}}{1000}$$
 $a_0 = 2.(0) + 2 = 2$ $\frac{9et}{16}$ $a_n = 2^{n+1} - 2$
 $a_1 = 2.1 + 2 = 4$
 $a_1 = 2.1 + 2$