Lindução sim m box 1 = 2

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

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$$\sum_{i=0}^{m} 2^{i} - 1$$

$$\sum_{i=0}^{m} 2^{i} - 1$$

$$\sum_{i=0}^{m} 2^{i} - 1$$

$$\sum_{i=0}^{m} 2^{i} - 2^{i} + 2^{m} + 1$$

$$\sum_{i=0}^{m} 2^{i} - 2^{m} + 2^{m} + 2^{m} + 1$$

$$\sum_{i=0}^{m} 2^{i} - 2^{m} + 2^{m}$$

Base
$$m=0$$
 $\frac{3}{2^{0}-1} = \frac{3}{0} / \text{falso}$ Base $m=1$ $\frac{3}{2} \ge 0$

Resolutiondo: $\frac{3}{2^{2m}-1} = 3 \cdot k = 2^{m} \cdot 1$

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Resolution $\frac{3}{2^{2m}-1} = 3 \cdot k = 2^{m} \cdot 1$
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Indução em m

Base = @1 m' 2 mm mm 1410

 $(m+1)! = (m+1) \cdot m! \leq (m+1) \cdot m'' \leq (m+1) \cdot (m+1) \leq (m+1)$

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3 = m2 + 3 A m/m > 2

Indução em m:

Base = 2 32 = 4

Papapara m >2: 3 = 3.3 = 3 (1 m-1) = +3)

31m2-2m+4)

3m2-6m+12

 $m^2 + 3 + 12m^2 - 6m + 9 \ge m^2 + 3$

Barabolo que mão toca.