Solución Simulacro

P 9	1P	P -> 4	1 7 p 1 (P -> g)	19	
0 0	1	1	1	1	
0 1	1	1	1	0	
1 0	0	0	0	1	
1 1	0	1	Ø	0	
	1		1	į	

No es una tartología

(3) K: Kevin está chateando n: heather está chateando R: randy está chateando v: víctor está chateando A: abby está chateando

0 (K v H) v (K v H)

(R V V) A 7 (R NV)

3 A \rightarrow R

(V N R) V (TV N TR)

BH → (ANK)

Argumento):

9

$$\sum_{i=0}^{n} \left(-\frac{1}{2}\right)^{i} = \frac{2^{n+1} + (-1)^{n}}{3 \cdot 2^{n}}$$

Probon que funciona para
$$K$$

$$\left(-\frac{1}{2}\right)^{\mu} = \frac{2^{k+1} + (-1)^k}{3 \cdot 2^k}$$

Probove of functions have
$$K + 1$$

$$\sum_{k=0}^{K+1} \left(-\frac{1}{2}\right)^{k} = \frac{2^{K+1}}{3 \cdot 2^{K}} + \left(-\frac{1}{2}\right)^{K} + \left(-\frac{1}{2}\right)^{K+1}$$

$$= \frac{2^{K+1}}{3 \cdot 2^{K}} + \frac{(-1)^{L}}{2^{L+1}} - \frac{1}{2^{L+1}}$$

$$= \frac{2^{K+1}}{3 \cdot 2^{K}} + \frac{(-1)^{L}}{2 \cdot 2^{L}}$$

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$$= \frac{2^{K+1}}{3 \cdot 2 \cdot 2^{L}} + \frac{2^{K+1}}{3 \cdot 2 \cdot 2^{L}}$$

$$= \frac{2^{K+2}}{3 \cdot 2 \cdot 2^{L}} - \frac{2^{K+2}}{3 \cdot 2 \cdot 2^{L}} + \frac{2^{K+2}}{3 \cdot 2 \cdot 2^{L}}$$

$$= \frac{2^{K+2}}{3 \cdot 2^{K+1}} + \frac{(-1)^{K+1}}{3 \cdot 2^{K+1}}$$

$$\frac{1}{J_{1}} \frac{2}{J_{2}} \frac{3}{J_{3}} \frac{4}{J_{4}} \frac{5}{J_{5}} \frac{6}{J_{6}} \frac{7}{J_{7}} \frac{8}{J_{8}} \frac{9}{J_{9}} \frac{10}{J_{10}} \frac{17}{J_{11}}$$

$$\frac{22}{11}C = \frac{221}{(22-11)! \cdot 17!} = 705 432$$

$${}_{8}^{5}P = \frac{120}{3}P = \frac{6}{3}$$

a)
$$\frac{5}{2}$$
 (= $\frac{10}{x}$

c)
$$\square$$
 {3,5,6,7,9} ... 6
 $\stackrel{5}{\square}$ P = 20