

Escenario c

1.

$$\begin{array}{|c|c|c|} \hline 4 & 4 & 4 \\ \hline \end{array} \Rightarrow \begin{array}{|c|c|c|} \hline & & \\ \hline \end{array} \quad x, y \neq 4$$

$$\begin{array}{|c|c|c|} \hline x & 4 & y \\ \hline \end{array} \quad \begin{array}{|c|c|c|} \hline x & 32 & y \\ \hline \end{array}$$

$((i)[j]) == [i][j+1] == [i][j-1] == [i+1][j])$
 Eliminar $[i][j]$, $[i][j+1]$ y $[i][j-1]$
 Sumar todo a $[i+1][j]$

$$4 = 2^n$$

$$= 2^2$$

$$\text{simp} = 2^{n+3}$$

$$\text{simp} = 2^{2+3}$$

$$\text{simp} = 2^5$$

$$\text{simp} = 32$$

Escenario b

1.

$$\begin{array}{|c|c|} \hline 4 & 4 \\ \hline \end{array} \Rightarrow \begin{array}{|c|c|} \hline & \\ \hline \end{array} \quad x \neq 4$$

$$\begin{array}{|c|c|} \hline 4 & x \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline 16 & x \\ \hline \end{array}$$

$((i)[j]) == [i][j+1] == [i+1][j])$
 Eliminar $[i][j]$, $[i][j+1]$
 Sumar todo a $[i+1][j]$

$$4 = 2^n$$

$$= 2^2$$

$$\text{simp} = 2^{n+2}$$

$$\text{simp} = 2^{2+2}$$

$$\text{simp} = 2^4$$

$$\text{simp} = 16$$

2.

$$\begin{array}{|c|c|c|} \hline 4 & 4 & 4 \\ \hline \end{array} \Rightarrow \begin{array}{|c|c|c|} \hline & 16 & \\ \hline \end{array} \quad x, y, z \neq 4$$

$$\begin{array}{|c|c|c|} \hline x & y & z \\ \hline \end{array} \Rightarrow \begin{array}{|c|c|c|} \hline x & y & z \\ \hline \end{array}$$

$((i)[j]) == [i][j+1] == [i][j-1])$
 Eliminar $[i][j-1]$, $[i][j+1]$
 Sumar todo a $[i][j]$

$$4 = 2^n$$

$$= 2^2$$

$$\text{simp} = 2^{n+2}$$

$$\text{simp} = 2^{2+2}$$

$$\text{simp} = 2^4$$

$$\text{simp} = 16$$

3.

$$\begin{array}{|c|c|} \hline 4 & 4 \\ \hline x & 4 \\ \hline \end{array} \Rightarrow \begin{array}{|c|c|} \hline & \\ \hline x & 16 \\ \hline \end{array} \quad x \neq 4$$

$$([i][j]) == [i][j-1] == [i+1][j]$$

Eliminar $[i][j-1]$, $[i][j]$

Sumar todo a $[i+1][j]$

$$4 = 2^n$$

$$= 2^2$$

$$\text{simp} = 2^{n+2}$$

$$\text{simp} = 2^{2+2}$$

$$\text{simp} = 2^4$$

$$\text{simp} = 16$$

4.

$$\begin{array}{|c|c|} \hline x & 4 \\ \hline 4 & 4 \\ \hline \end{array} \Rightarrow \begin{array}{|c|c|} \hline & \\ \hline x & 16 \\ \hline \end{array} \quad x \neq 4$$

$$([i][j]) == [i][j-1] == [i-1][j]$$

Eliminar $[i][j-1] == [i-1][j]$

Sumar todo a $[i][j]$

$$4 = 2^n$$

$$= 2^2$$

$$\text{simp} = 2^{n+2}$$

$$\text{simp} = 2^{2+2}$$

$$\text{simp} = 2^4$$

$$\text{simp} = 16$$

5.

$$\begin{array}{|c|c|} \hline 4 & x \\ \hline 4 & 4 \\ \hline \end{array} \Rightarrow \begin{array}{|c|c|} \hline & \\ \hline 16 & x \\ \hline \end{array} \quad x \neq 4$$

$$([i][j]) == [i-1][j] == [i][j+1]$$

Eliminar $[i-1][j] == [i][j+1]$

Sumar todo a $[i][j]$

$$4 = 2^n$$

$$= 2^2$$

$$\text{simp} = 2^{n+2}$$

$$\text{simp} = 2^{2+2}$$

$$\text{simp} = 2^4$$

$$\text{simp} = 16$$

Escenario a

1.

| 4 | 4 | => | 8 |
(i)[j] == (i)[j+1]
Eliminar (i)[j]
Sumar todo a (i)[j+1]
 $4 = 2^n$
 $= 2^2$
 $\text{simp} = 2^{n+1}$
 $\text{simp} = 2^2+1$
 $\text{simp} = 2^3$
 $\text{simp} = 8$

2.

| 4 | => | |
| 4 | | 8 |
(i)[j] == (i+1)[j]
Eliminar (i)[j]
Sumar todo a (i+1)[j]
 $4 = 2^n$
 $= 2^2$
 $\text{simp} = 2^{n+1}$
 $\text{simp} = 2^2+1$
 $\text{simp} = 2^3$
 $\text{simp} = 8$