J=-2.

John de le homogénes:

$$y_{M}^{h} = (2^{M} + ((-2)^{M})^{M})$$



Buscamos una solución porticular de la forme \ Yn = A + nB2" + C.3" Sustituyendo:

$$A + B(M+2)2^{M+2} + C \cdot 3^{M+2} - 4[A + Bn2^{M} + C3^{M}] = 2 + 2^{M} + 3^{M} = 1$$

$$=$$
) $[A-4A]+802^n+503^n=2+2^n+3^n=1$

$$\Rightarrow \begin{vmatrix} A - 4A = 2 & \Rightarrow A = -\frac{2}{3} \\ 8B = 1 & \Rightarrow B = \frac{1}{8} \\ 5C = 1 & \Rightarrow C = \frac{1}{5} \end{vmatrix}$$

$$Asi_{n} = y_{n}^{h} + y_{m}^{P} = c_{1}2^{n} + c_{2}(-2)^{n} - \frac{2}{3}m + \frac{1}{8}n2^{n} + \frac{1}{5}3^{n}$$

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