$$\begin{array}{l}
\boxed{O2} G(h) = \frac{1}{10} \left(\frac{N+50}{p^2 + 2n + 2} \right) \\
\boxed{Zero_2} : -10 \\
\boxed{Polo_2} : \left(-1 + \frac{1}{3} \right) : \left(-1 - \frac{1}{3} \right) \\
\cdot \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} + \frac{1}{2} \right) : \left(-1 - \frac{1}{3} \right) \\
\cdot \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} + \frac{1}{2} - \frac{1}{2} + \frac{1}{2} \right) = \frac{10}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\
\cdot \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\
\boxed{N \cdot (1 + 10)} = -\frac{10}{2} + \frac{1}{2} \\
\boxed{N \cdot (1 + 10)} = -\frac{10}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\
\boxed{N \cdot (1 + 10)} = -\frac{10}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\
\boxed{N \cdot (1 + 10)} = -\frac{10}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \\
\boxed{N \cdot (1 + 10)} = -\frac{10}{2} + \frac{1}{2} + \frac$$

(Q3)
$$G(n) = \frac{5}{n(n+2)(n+10)}$$

* Condição de magnitude:

 $K = \left| \frac{1}{G(n)} \right| = \frac{\ln 1 \ln + 21 \ln + 101}{5} = \frac{l_1 \cdot l_2 \cdot l_3}{5}$
 $\int_{1}^{2} + \int_{2}^{2} + \int_{3}^{2} = 180^{\circ}$
 $\int_{2}^{2} = 45^{\circ} - \int_{1}^{2} \left| \frac{1}{\sqrt{1 \cdot \xi^{2}}} \right| \rightarrow \xi_{1}^{2} = \frac{-\ln (M_{p})}{\sqrt{\pi^{2} + (\ln M_{p})^{2}}}$
 $\xi_{2} = 0.7071$
 $\xi_{3} = 0.7071$
 $\xi_{4} = 0.7071$
 $\xi_{5} = 0.7071$
 $\xi_{$

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De l_s , temes: $long(10-g) = 2 num(45e^2g_1) \cdot num(90+(45e^2g_1))$ $= 5 num 2 g_1 = num(90e^2 - 2g_1) = 00 = 2g_1$ = 100 0 0 0 9 = 3,311 = 100 0 0 0 9 = 3,311

Qy
$$G(n) = \frac{1}{mn+b}$$
 $\Rightarrow \begin{cases} \omega_{m} = 6 \text{ vad/n} \\ \xi = 0, 4 \end{cases}$
 $\Rightarrow \begin{cases} \beta = arcco_{3}(0,7) = \frac{45,67}{5} & C(n) = K \cdot (n-3) \\ 6^{3} = \xi \omega_{m} = 4,27 \end{cases}$ $\Rightarrow \begin{cases} 2: 38 \\ p: 0; -3/m \end{cases}$
 $G(n) = C(n) \cdot G(n) = \frac{1}{m} \cdot \frac{(n-3)}{n \cdot (n+3)} \Rightarrow \begin{cases} 2: 38 \\ p: 0; -3/m \end{cases}$
 $\Rightarrow \begin{cases} 1 = 6 \cdot nm \beta = 4,2349 \\ 1 = 1,2349 \end{cases}$
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$$QS) b(n) = 10(n+a) = (n+a) \cdot 6(n)$$

$$D(n+1)(n+2)$$

$$\frac{D(n+3)(n+2)}{1+U(n)}$$

$$\frac{D(n)}{1+U(n)} = \frac{(n+a) \cdot 6(n)}{1+(n+a) \cdot 6(n)}$$

$$D(n) = 1 + (n+a) \cdot 6(n) = 0 \Rightarrow 1 + n \cdot 6(n) + a6(n)$$

$$-\alpha = \frac{1+n \cdot 6(n)}{U(n)} \Rightarrow \frac{G'(n)}{1+n \cdot G'(n)} = -\frac{1}{a}$$

$$Q(n) = \frac{G'(n)}{1+n \cdot G'(n)} = -\frac{1}{a}$$