

12)

$$s^7 + 6s^6 + 11s^5 + 6s^4 + 4s^3 + 24s^2 + 44s + 24$$

7		1	11	4	44	0
6		6	6	24	24	0
5		¹⁰ b_{n-1}	⁰ ϵ b_{n-3}	40 b_{n-5}	0	
4		6 c_{n-1}	0 c_{n-3}			
3		0				
2						
1						
0						

logo é instavel tem um zero.

$$b_{n-1} = -\frac{1}{6} \left| \begin{array}{cc} 1 & 11 \\ 6 & 6 \end{array} \right|$$

$$= \frac{60}{6} = 10$$

$$b_{n-3} = -\frac{1}{6} \left| \begin{array}{cc} 1 & 4 \\ 6 & 24 \end{array} \right|$$

$$b_{n-5} = -\frac{1}{6} \left| \begin{array}{cc} 24 & 264 \\ 1 & 44 \\ 6 & 24 \end{array} \right|$$

$$= \frac{240}{6} = 40$$

$$c_{n-1} = -\frac{1}{10} \left| \begin{array}{cc} \epsilon & 60 \\ 6 & 6 \\ 10 & \epsilon \end{array} \right|$$

$$= -\frac{\epsilon}{10} + 6$$

$$= 6$$

$$c_{n-3} = 0$$