$$H_{EE}(n) = 50 = \frac{U_{0}(n)}{U_{0}(n)}$$

$$H_{P_{1}}(n) = 0,01 = \frac{4(n)}{x_{3}(n)}$$

$$H_{P_{2}}(n) = \frac{40}{1+20n} = \frac{x_{2}(n)}{U_{0}(n)}$$

$$H_{P_{2}}(n) = \frac{40}{1+20n} = \frac{x_{2}(n)}{U_{0}(n)}$$

$$P_{1}(n) = \frac{40}{1+20n} = \frac{x_{2}(n)}{U_{0}(n)}$$

$$P_{2}(n) = \frac{1}{0,15} \times_{3}(n) + \frac{1}{0,15} (x_{2}(n) - 10)(n)$$

$$P_{3}(n) = -\frac{1}{0,15} \times_{3}(n) + \frac{1}{0,15} (x_{2}(n) - 10)(n)$$

$$(n+2) \times_{3}(n) = 2 (x_{2}(n) - 10)(n)$$

$$(n+2) \times_{3}(n) = 0$$

$$V(n) = 0$$

$$(n+2) \times_3(n) = -20 \times (n) \quad (n+2) \times_3(n) = 20 \times_2(n)$$

$$(n+2) \times_3(n) = -20 \times (n)$$

$$(n+2) \times_3(n) = -20$$

$$H_{R6}(n) = \frac{2(1+4n)}{1+0,4n}$$

$$=\frac{800(1+40)}{(1+200)(0+2)}$$

$$H_{X_3} v(0) = H_{P_2} \cdot 10$$

$$H(7) = \frac{2^2 - 32 + 1}{2^3 + 42^2 + 72 - 1}$$

$$\triangle(2) = 2^3 + 42^2 + 12 - 1$$

$$\Delta(1) = 1^{3} + 4 \cdot 1^{2} + 4 \cdot 1 - 1 = 11 > 0$$

$$\Delta(-1) < 0$$

$$D(-1) = (-1)^3 + 4 \cdot (-1)^2 + 4 \cdot (-1) - 1 =$$

|ao|=|-1|=1<an=1 => sistemul me stabil.

•
$$W_{\infty} = 7$$
, $V_{\infty} = 3$

$$H(2) = \frac{2}{2^3 - 32^2 + 42 + 1}$$