| 휴가, 보면 100mm (1995) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1     |          | FICUATO: |       |      |      |                            |   |         |      |
|---|----------|----------|-------|------|------|----------------------------|---|---------|------|
|   |          | F.E.     | CH/   |      |      |                            |   |         |      |
|   |          | 2000     |       | en l | 1    | 39 1.1<br>1<br>1<br>1<br>1 |   |         |      |
| Trabago femend Ne4  |          |          |       |      | 2 1  | - 0                        |   | Maria . | 1    |
|   | al.      |          |       |      |      | 7-11                       |   |         |      |
| -> Wo = 217 22 KHZ.   |          |          |       |      |      |                            | - |         | -    |
| 3 Q=5   | -        |          |       |      |      |                            |   |         |      |
|   |          |          | 14    |      | F. 1 |                            |   | -       | u.me |
| > Aproximación de chapy >>0,5 dB (n/pple).                    |          |          |       |      |      |                            |   |         | - 13 |
|   |          |          |       |      |      |                            |   |         |      |
|   |          |          |       |      |      |                            |   |         | -    |
| rilfro Cheby:   | - 2      | 11       |       | 0.   | 1    | -                          |   |         |      |
|   | j-       |          | 11/   |      | 7    |                            |   |         |      |
| 1 2   | 4        |          |       |      |      |                            |   |         | -    |
| $ T w  _{\epsilon}^{2} = \frac{1}{1+\epsilon^{2}C_{\nu}(w)}.$ |          |          | 12    |      | 4    |                            |   |         |      |
| 77 6 6,10   |          |          |       |      |      |                            | - |         |      |
|   | -        | 1        |       |      |      |                            |   |         |      |
| $L_{M4x} = 10 \log (1 + E^2) = 0,5dB.$                        |          |          |       |      |      |                            |   |         | -    |
|   | 4        | 1        |       |      |      |                            |   |         |      |
| === €= 0,349.   |          |          |       |      |      |                            |   |         |      |
|   |          |          |       | -    |      |                            |   |         |      |
|   |          |          |       |      |      |                            |   |         | 1    |
| Condicion de 12 banda de stop.                                |          |          | 1     | 1    |      |                            |   | -       |      |
|   |          |          |       |      | -    |                            |   |         |      |
| T(fsn) = -16dB -> Fsn = 17 KHZ                                | <i>-</i> |          |       |      | 11   | (-                         | - | -       | -    |
| T(fs2)=-24dB -> Ps2-36KH2.                                    | j.       |          |       |      | .11  |                            |   |         |      |
|   |          | 1        |       |      |      |                            |   |         |      |
|   |          |          |       |      |      |                            |   |         |      |
| Q Ng1 = -0,521.5 → x-16dB.                                    |          | 300      | 1     | -    | V    | 1                          |   |         |      |
|   |          |          |       |      |      |                            |   |         |      |
|   |          |          |       |      |      |                            |   |         |      |
|   |          |          |       |      |      |                            |   |         |      |
| 2 2 2   |          | -        |       |      | . A  |                            |   |         |      |
| d = 10 log (1+ E2. cosh2(n cosh-(s2))                         |          |          |       |      |      |                            |   |         |      |
|   | -        |          |       |      | ļ    | 1-0-                       |   |         |      |
|   |          |          | 1     |      |      |                            |   |         |      |
|   |          |          |       |      |      |                            |   |         | ***  |
|   | 7        |          | queil |      |      | 3                          |   |         |      |
|   |          |          |       |      |      | 1                          |   | 47      |      |

Parz complir con @ > N=37 Pero Coupplir colo 3 -> N=2. J N=3 comple les obs condiciones. ••  $|T_{jw}|^2 = \frac{1}{1+\epsilon^2 \cdot C_3^2(R)}$ Co (W)=1 C, (w) -W. cz (w) = 2w2-1 C3 (W) = 4W3-2W-W= 4W3-3W. 

$$|+(s)|^{2} = \frac{1}{e^{2}4^{2}w^{6}-24} e^{2}S^{4}+9 e^{2}S^{2}+1$$

$$a^{2} = e^{2}4^{2} \rightarrow 2 = e \cdot 4$$

$$d^{2} = 1 \rightarrow 2 = 1$$

$$c = \sqrt{2b} d + 9e^{2}$$

$$b^{2} = -24e^{2} + 2e c = -42e^{2} + 2e \sqrt{2b} + 9e^{2}$$

$$b^{2} + 24e^{2} = 24 \cdot \sqrt{2b} + 9e^{2}$$

$$b^{4} + 48b^{2}e^{2} + 24^{2}e^{4} = 64(2b + 9e^{2})$$

$$b^{3} + 48e^{2}b - 428e^{2} = 0 \rightarrow b = 1,75$$

$$\Rightarrow c = 2,144$$

| my and and the star |               |               |
|---------------------|---------------|---------------|
|                     |               |               |
| 13/2                |               |               |
|                     |               |               |
| H(s) =              |               |               |
|                     |               | Value of Park |
| - I when had        | 51 + 8.       | 1,75+82,14    |
|                     |               |               |
|                     | 1,397.        | #             |
|                     |               |               |
| 1112                | 2,053         |               |
| H(3)=               |               |               |
|                     |               |               |
|                     | 537 3,593 52+ | 44075+7,05    |
|                     |               | 10000         |
|                     |               |               |
| S.=                 | - 1,2437      |               |

Sz=3 = -0,924 ± 0,567j

$$H(s) = 0,2158$$
.  
 $S^3 + S^2(1,25) + S(1,534) + 0,2153$ 

-> Simulacion /

Transformación

$$P = K(S) = \left(\frac{1+S^2}{S}\right)Q$$

$$\rightarrow H(S) = \frac{0,7159}{Q^{3} \left(\frac{1+S^{2}}{S}\right)^{3} + 1,25Q^{2} \left(\frac{1+S^{2}}{S}\right)^{2} + 1,534 \cdot Q\left(\frac{1+S^{2}}{S}\right) + 0,745}$$

-> Resolvais numérica.