

```
00 |T(3W)| = 1+ 82 (8W4-8W2+1)2
                    T(s) = T(sw) = 1+52(854+852+1)2
                      |T(s)|2= 1+82 (6458+6456+854+6456+6454+852+854+852+1)
                      |T(s)|^2 = \frac{1}{1+\xi^2(64s^8+128s^6+80s^4+16s^2+1)} = |S_{21}|^2
   · Como se trata de una red no disipativa: |Sil + |Sal =1
    |S_{11}|^{2} = |I - |S_{21}|^{2} = |X + \xi^{2}(645^{8} + 1285^{6} + 805^{1} + 165^{2} + 1) - |X|
|I + \xi^{2}(645^{8} + 1285^{6} + 805^{1} + 165^{2} + 1)
             |S_{ii}|^2 = S_{ii}(s) \cdot S_{ii}(-s) = (S \pm 30,38268)^2 (S \pm 30,92388)^2 = 64

(S \pm 0,33687 \pm 30,407329) (S \pm 0,139536 \pm 30,983379) = 64
 · Elizo Polos en semiplono izaquierdo Para S., y distributo los ceros dobles:
                 Sin(s) = (5 ± 0,38268) (5 ± 0,92388)
                                                       (S+0, 33687 ± 30, 407329) (S+0,139536 tp,982379)
                 S_{11(5)} = \frac{5^{4} + 5^{2} + \frac{1}{8}}{\left(5^{2} + 5A + 5 \right)^{2}B + 5A - 5 \right)^{2}B + A^{2} + B^{2}} \left(5^{2} + 5C + 5 \right)^{2}B + 5C - 5 \right)^{2}
                   S_{11}(s) = \frac{1}{5^{4} + 5^{2} + \frac{1}{8}} \\ S_{11}(s) = \frac{1}{5^{4} + 5^{3}} \frac{1}{2} c + \frac{1}{5^{2}} (c^{2} + 0^{2}) + \frac{1}{5^{3}} \frac{1}{2} A + \frac{1}{5^{2}} \frac{1}{4} A + \frac{1}{5
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 $S_{11}(s) = \frac{S^4 + S^2 + 1/8}{S^4 + S^3 \cdot 2(A+c) + S^2(4Ac + A^2 + B^2) + S(2A(c^2 + 0^2) + 2c(A^2 + B^2)) + (A^2 + B^2)(c^2 + 0^2)}{S^4 + S^2 + 1/8}$ $S_{11}(s) = \frac{S^4 + S^3 \cdot 2(A+c) + S^2(4Ac + A^2 + B^2) + S(2A(c^2 + 0^2) + 2c(A^2 + B^2)) + (A^2 + B^2)(c^2 + 0^2)}{S^4 + S^3 + S^2 + S^3 + S^2 + S^2$