1111111111111111

.)

Obtendon de "E" 0/16 = 10 log (1+ E'. W2) White the in ingit dnox= 1 = lolop (1+ E2) => E= 0,26 => E= 0,51 Obtenuon del orden "na d de | n=4 = 10/09 [1+ (0,51)2.424] = 42.31 de dabh= 3 = 12/09 [ 1+(0,512 423]= 30,27 dn > dmin (II) / n = 3 / Normaliuscren por Butter Worth: WA= 27 Fp & + 1 WA = 211 . 40. 103 (0,51) = WB=200,799 , rod Disgiama de polar y cerar Bow T(SI= 1 (5+1) (52+ Q5+1) a = 2 cos [ = 1]

$$Polor = \{-1; \frac{1}{2} + \frac{1}{2}, \}$$

$$T(s) = \frac{1}{5^3 + 2s^2 + 2s + 1}$$

Transferences filtio

Transforms clon \$ 215 - 2161

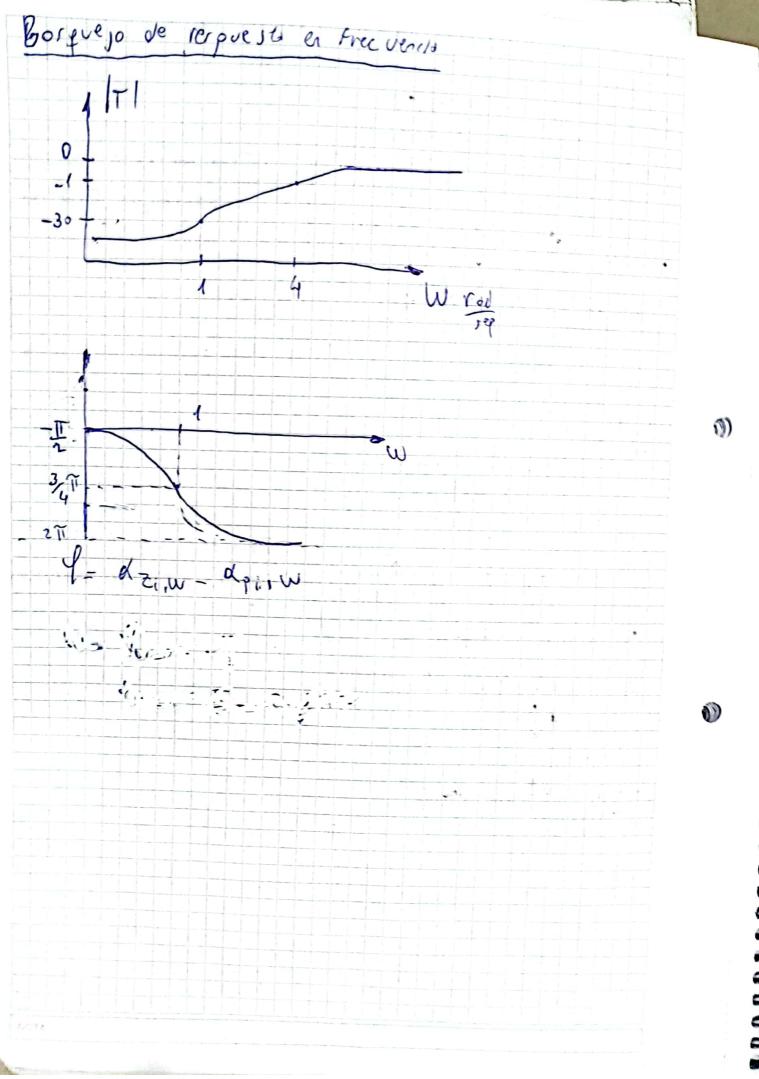
Wep = 1
WHD

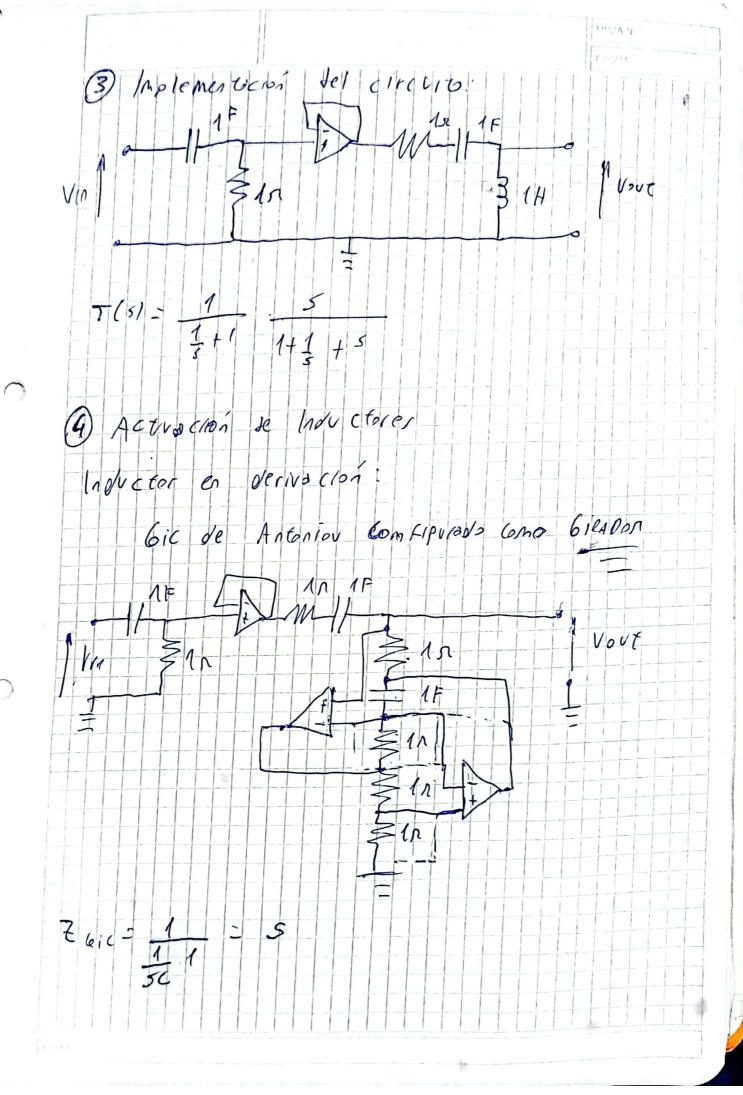
$$T(s) = \frac{1}{\left(\frac{1}{5}+1\right)\left(\frac{1}{s}, +\frac{1}{5}+1\right)}$$

$$\left[ \begin{array}{c|c}
\hline
T(5) = 1 \\
\hline
\frac{1}{5} + 1 \\
\hline
\end{array} \left( \begin{array}{c}
5^2 + 5 + 1
\end{array} \right)$$

Transferacia filtio pasa - altar Mormalizada

Diapiama de polos y ceras





Dernormo	1123 (100	en f	Frecu encl	7		
R= 10						
C= 2	1 Nwnz	200	1F 799 4	55- 7 M	F	