KISA SINAV II Cewap Arahbri

$$46(2) \cdot (3-42^{-1}+2^{-2}) = 2-2^{-1}+\frac{2}{2-\frac{1}{2}}$$

$$4_{5(2)}$$
 $\frac{3(2-1)(2-\frac{1}{3})}{2^2} = \frac{32^2-22+\frac{1}{2}}{2(2-\frac{1}{2})}$

$$Y_{3}(2) = \frac{2(32^{2}-22+\frac{1}{2})}{3(2-1)(2-\frac{1}{2})(2-\frac{1}{3})}$$

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

$$y(n) = \left(\frac{3}{2} - \left(\frac{1}{2}\right)^n + \frac{1}{2} \left(\frac{1}{3}\right)^n\right) \cup [n]$$

$$X(s) = 1 + \frac{3}{s+2} - \frac{8}{s+3} = \frac{(s+2)(s+3) + 3(s+3) + 8(s+2)}{(s+2)(s+3)}$$

$$= \frac{5^2 + 554 + 6 + 35 + 9 - 85 - 16}{(5+2)(5+3)} = \frac{(5+1)(5-1)}{(5+2)(3+3)}$$

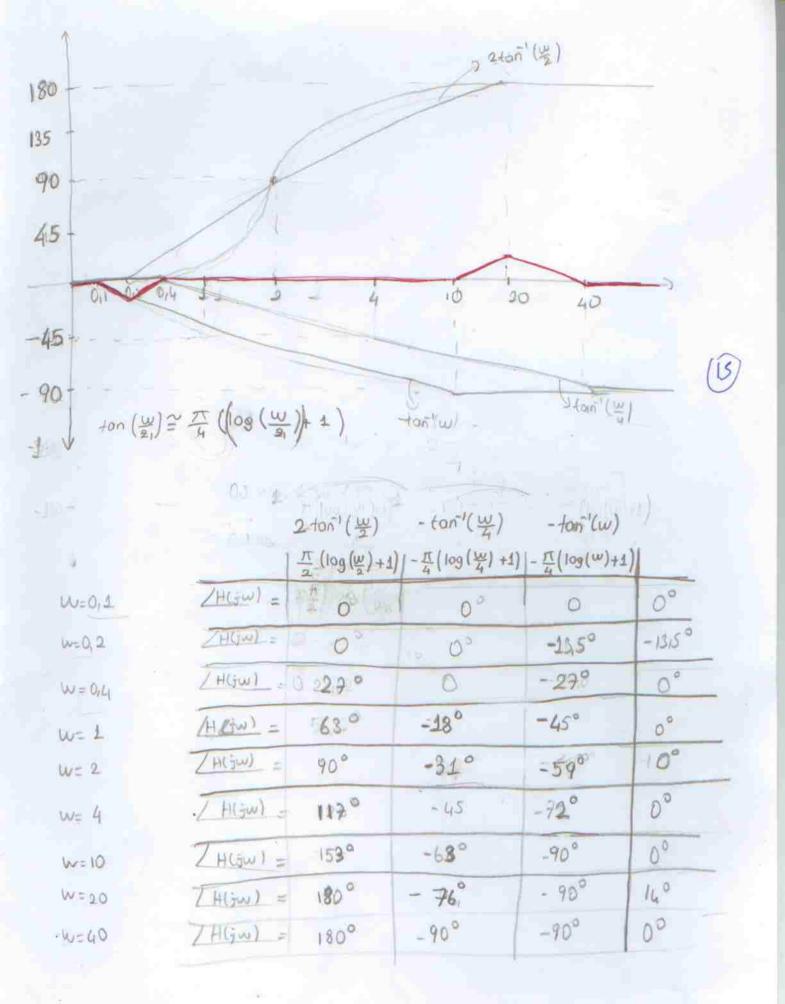
$$H(S) = \frac{Y(1)}{X(1)} = \frac{(S-1)(J+2)}{(S+2)(S+3)} = \frac{(S+2)^2}{(S+2)(S+2)}$$

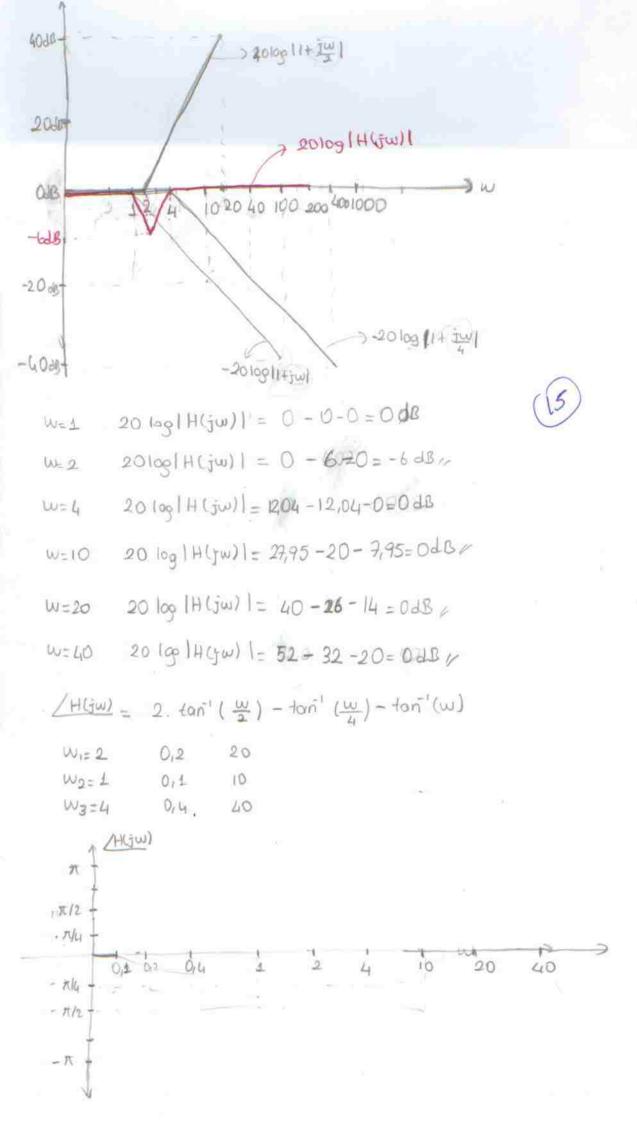
$$\frac{(S+2)(J+2)}{(S+2)(J+3)} = \frac{(S+2)^2}{(S+2)(S+4)}$$

$$H(j_w) = \frac{(j_w+2)^2}{(j_w+1)(j_w+4)} = \frac{\frac{1}{4}(j_w+2)^2}{\frac{1}{4}(j_w+1)(j_w+4)} = \frac{(j_w+1)^2}{(j_w+1)(j_w+1)}$$

2010g
$$|H(jw)| = 40 \log |H_{\frac{1}{2}}| - 20 \log |H_{\frac{1}{2}}| - 20 \log |H_{\frac{1}{2}}| - 20 \log |H_{\frac{1}{2}}|$$

kinima fietans. $w_{i=2}$ $w_{2=1}$ $w_{3}=4$





$$\frac{/H(gw)}{\sum_{n=1}^{N} tan'(nw) - tan'(-nw)}$$

$$Z(w) = -\frac{dZH(\overline{g}w)}{dw} = -2\sum_{n=1}^{N} \frac{d(tan^{-1}(nw))}{dw} = -2\sum_{n=1}^{N} \frac{\Lambda}{(nw)^{2}+1}$$