$$|G(NO)| = 2.4,47 = 0.434$$

$$L_{6(50)} = 01 - \phi_{1} - \phi_{2}$$
  
 $L_{6(50)} = 116_{1}6^{0} - 126_{1}9^{0} - 104^{0} = -114_{1}3^{0}$ 

2) 
$$KG(S)H(S) = \frac{K}{S(S+10)(S+20)}$$

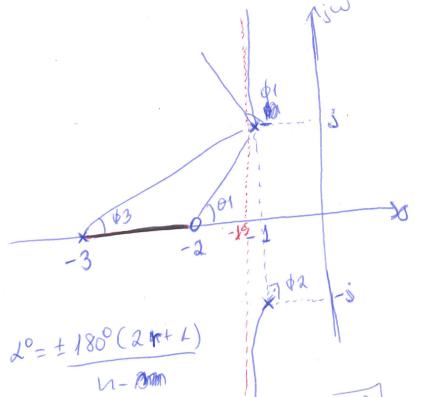
$$\chi^{0} = \pm \frac{180^{\circ}(2r+1)}{N-m}$$

$$Y=0, \quad \chi^{0} = \pm \frac{180^{\circ}(2.0+1)}{3} = \left[\pm \frac{180^{\circ}}{180^{\circ}}\right]$$

$$r=0$$
:  $\lambda^{\circ} = \pm 180(2.01) = \pm 180^{\circ}$   
 $r=1$ :  $\lambda^{\circ} = \pm 180(2.1+1) = \pm 180^{\circ}$ 

$$S_c = \frac{2P - 2^2}{N - m} = \frac{0 - 10 - 20}{3} = \frac{-10}{3}$$

3) 
$$1+ KG(n) = 1+ \frac{K(n+2)}{(n+3)(n^2+2n+2)}$$



$$r=0$$
:  $2^{\circ} = \pm \frac{180^{\circ}(2.0+1)}{3-1} = \pm \frac{180^{\circ}}{180^{\circ}}$ 

$$Y=1$$
 .:  $L^{\circ}=\pm \frac{180^{\circ}(2.1+1)}{3-1}=\pm \frac{180^{\circ}}{3-1}$ 

$$\frac{d2 = 90^{\circ}}{91 = 10^{\circ}} \left( \frac{1}{1} \right) = \frac{15^{\circ}}{15^{\circ}}$$

$$\frac{d3 = 10^{\circ}}{10^{\circ}} \left( \frac{1}{2} \right) = \frac{26156^{\circ}}{26156^{\circ}}$$

$$-\frac{41 + 91 - 42 - 43 = 180^{\circ}}{108144^{\circ}}$$

$$\frac{d3 = 10^{\circ}}{108144^{\circ}}$$

$$\frac{d3 = 10^{\circ}}{108144^{\circ}}$$

$$S_c = \frac{2P - 22 = -1 - 1 - 3 + 2 = -1.5}{11 - 11}$$