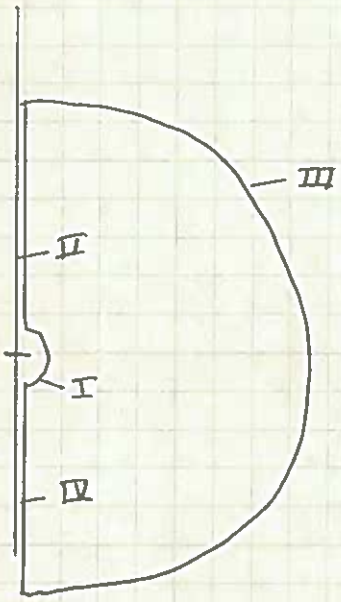
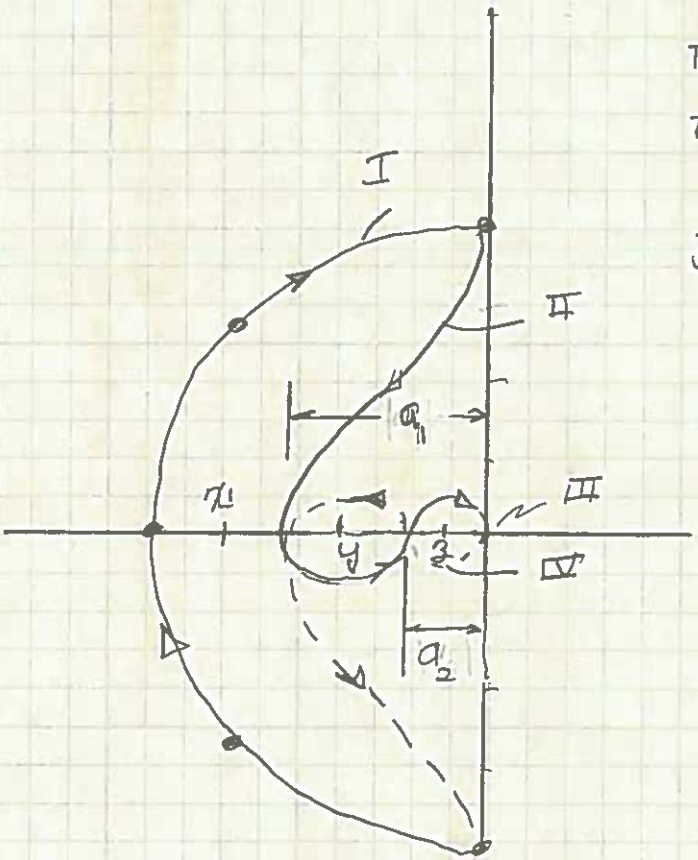


$$G(s) = G_c H(s) = \frac{-7.95(s+1)(s-25)}{s(s-.5)(s+50)}$$

$n = 1$
$m = 2$
$p = 1$

I: $G(s) = \varepsilon^{-1} e^{-j(\phi + 2\pi + \pi)}$

ϕ	ψ
$-\pi/2$	$-5\pi/2$
$-\pi/4$	$-11\pi/4$
0	-3π
$\pi/4$	$-13\pi/4$
$\pi/2$	$-7\pi/2$



3 pertinent "-1" positions
x, (y), z, current pos

@ x $N = 1$, $P = 1$
$N = Z - P$
$1 = Z - 1$
$\boxed{Z = 2}$

@ y $N = -1$ $P = 1$
$N = Z - P$
$-1 = Z - 1$
$\boxed{Z = 0}$

@ z $N = 1$ $P = 1$
$N = Z - P$
$1 = Z - 1$
$\boxed{Z = 2}$

$20 \log \left| \frac{1}{a_1} \right| = GM_1 = -16.9 \text{ dB}$

$20 \log \left| \frac{1}{a_2} \right| = GM_2 = +16.5 \text{ dB}$