Camila Andrea Cacres Ricino - 20172005133	
$\chi(\delta) = 2S^3 + 8S^2 + 4S + 8$ $S(S+1)(S^2 + 4S + 8)$	
$= \frac{Ki}{S} + \frac{K2}{S+1} + \frac{A}{S+2+j2} + \frac{A*}{S+2-j2}$	
$ K_1 = 5X(S)  \Rightarrow  S  (253 + 85^2 + 45 + 8)  S=0 $	
$= 8 + 1 \Rightarrow K_1 = 1$	
$ K_2 = (S+1) X(S)  \Rightarrow (S+1)(2S^2+8S^2+4S+8) S=-1 $	
$= 2(-1)^{3} + 8(-1)^{2} + 4(-1) + 8 = -2 + 8 - 4 + 8 = 10 = -2 = (-1)((-1)^{2} + 4(-1) + 8) = (-1)[1 + 4 + 8) = -5$ $\Rightarrow k_{2} = -2$	-K2
A = (S+2+)2)X(S) S = -2-j2	
$\frac{(S_{12}+J^{2})(\frac{2}{5}S^{3}+8S^{2}+4S+8}{S(S+1)(S+2-j2)}\Big _{S=-2-j2}$	
$= 25^{3} + 85^{2} + 45 + 8$ $= 5(5+1)(5+2-j2) \qquad 5 = -2-j2$	

Primovero"

Disnep 1

