

You are driving a into a load Z_l from a 50 ohm line.

Fill in the table below

Case	Z_l	Z_{in}	Γ expressed as $a+b*j$
1	50		
2	$50+j*50$		
3	$50+j*100$		
4	$50+j*k*50$		
5	$200+jwL$		
6	$100+1/jwC$		
7	$100+j*50$		
8	$50*k+j*50$		

Plot cases on this Smith Chart. Draw loci for all possible values of k and w for examples 4-6.

