

FIG. 3

4. Apply mesh analysis to determine the magnitude and phase of the currents in the circuit of FIGURE 4, given the values in TABLE A.

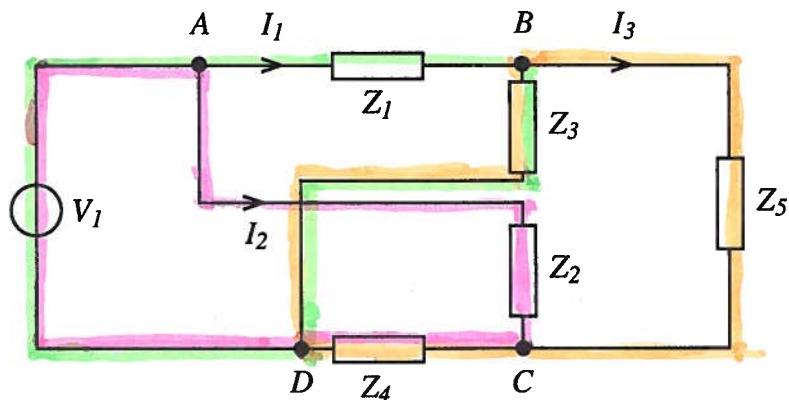


FIG. 4

$V_s = 20 \text{ V rms}$
$Z_1 = 0 - j5\Omega$
$Z_2 = 5 + j5\Omega$
$Z_3 = 5 + j5\Omega$
$Z_4 = 0 - j10\Omega$
$Z_5 = 10 + j0\Omega$

TABLE A