

item a)

v1	v2	rp	xp	rs	xs	rc	xm	potência aparente da carga	fp da carga	tensão secundário	corrente secundário	potência complexa secundário	corrente primário	potência complexa primário
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	90 kohm	20 kohm	20000 VA	0.88 ind	(232.72 âng -2.53°)V	(80.81 âng -30.89°)A	(16548.24+8931.79i)VA	(8.16 âng -31.52°)A	(16699.96+10239.82i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	90 kohm	20 kohm	20000 VA	0.88 cap	(244.87 âng -2.92°)V	(85.03 âng 25.44°)A	(18322.16-9889.26i)VA	(8.47 âng 24.62°)A	(18485.37-8471.87i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	90 kohm	20 kohm	20000 VA	1.00	(238.43 âng -3.09°)V	(82.79 âng -3.09°)A	(19739.33)VA	(8.31 âng -3.91°)A	(19896.40+1358.98i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	90 kohm	20 kohm	10000 VA	0.90 ind	(207.92 âng -4.80°)V	(42.96 âng -30.64°)A	(8038.98+3893.45i)VA	(21.49 âng -30.68°)A	(8133.34+4825.96i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	90 kohm	20 kohm	10000 VA	0.90 cap	(226.98 âng -5.77°)V	(46.90 âng 20.07°)A	(9580.46-4640.03i)VA	(23.44 âng 20.01°)A	(9692.63-3530.57i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	90 kohm	20 kohm	10000 VA	1.00	(216.61 âng -5.84°)V	(44.75 âng -5.84°)A	(9694.20+0.00i)VA	(22.38 âng -5.89°)A	(9796.48+1011.24i)VA

item b)

v1	v2	rp	xp	rs	xs	rc	xm	potência aparente da carga	fp da carga	tensão secundário	corrente secundário	potência complexa secundário	corrente primário	potência complexa primário
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	20000 VA	0.88 ind	(232.81 âng -2.53°)V	(80.84 âng -30.88°)A	(16561.23+8938.81i)VA	(80.88 âng -30.88°)A	(16650.10+9958.20i)VA	(8.08 âng -30.88°)A	(16650.10+9958.20i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	20000 VA	0.88 cap	(244.97 âng -2.92°)V	(85.06 âng 25.44°)A	(18336.93-9897.22i)VA	(85.03 âng 25.44°)A	(18435.32-8768.53i)VA	(8.51 âng 25.44°)A	(18435.32-8768.53i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	20000 VA	1.00	(238.53 âng -3.09°)V	(82.82 âng -3.09°)A	(19755.02)VA	(82.79 âng -3.09°)A	(19848.31+1070.06i)VA	(8.28 âng -3.09°)A	(19848.31+1070.06i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	10000 VA	0.90 ind	(207.93 âng -4.80°)V	(42.96 âng -30.64°)A	(8039.78+3893.84i)VA	(42.96 âng -30.64°)A	(8132.06+4816.68i)VA	(21.48 âng -30.64°)A	(8132.06+4816.68i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	10000 VA	0.90 cap	(227.00 âng -5.77°)V	(46.90 âng 20.07°)A	(9581.46-4640.51i)VA	(46.90 âng 20.07°)A	(9691.44-3540.71i)VA	(23.45 âng 20.07°)A	(9691.44-3540.71i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	10000 VA	1.00	(216.62 âng -5.84°)V	(44.76 âng -5.84°)A	(9695.18)VA	(44.75 âng -5.84°)A	(9795.34+1001.57i)VA	(22.38 âng -5.84°)A	(9795.34+1001.57i)VA

item c)

v1	v2	rp	xp	rs	xs	rc	xm	tensão secundário	corrente primário	potência complexa primário
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	90 kohm	20 kohm	(239.90 âng -0.00°)V	(0.12 âng -77.47°)A	(63.96+287.89i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	90 kohm	20 kohm	(219.99 âng -0.00°)V	(0.02 âng -77.47°)A	(2.15+9.68i)VA

item d)

v1	v2	rp	xp	rs	xs	rc	xm	potência aparente da carga	fp da carga	tensão primário	corrente primário	potência complexa primário
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	90 kohm	20 kohm	20000 VA	0.88 ind	(2475.09 âng 2.53°)V	(8.42 âng -28.99°)A	(17761.36+10890.64i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	90 kohm	20 kohm	20000 VA	0.88 cap	(2352.23 âng 2.92°)V	(8.30 âng 27.54°)A	(17756.78-8137.95i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	90 kohm	20 kohm	20000 VA	1.00	(2415.79 âng 3.09°)V	(8.36 âng -0.82°)A	(20159.14+1376.92i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	90 kohm	20 kohm	10000 VA	0.90 ind	(465.56 âng 4.80°)V	(22.74 âng -25.89°)A	(9105.65+5402.88i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	90 kohm	20 kohm	10000 VA	0.90 cap	(426.46 âng 5.77°)V	(22.72 âng 25.79°)A	(9105.37-3316.66i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	90 kohm	20 kohm	10000 VA	1.00	(446.89 âng 5.84°)V	(22.73 âng -0.06°)A	(10105.51+1043.14i)VA

item e)

v1	v2	rp	xp	rs	xs	rc	xm	potência aparente da carga	fp da carga	tensão primário	corrente primário	potência complexa primário
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	20000 VA	0.88 ind	(2474.12 âng 2.53°)V	(8.33 âng -28.36°)A	(17694.44+10582.81i)VA	(8.33 âng -28.36°)A	(17694.44+10582.81i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	20000 VA	0.88 cap	(2351.28 âng 2.92°)V	(8.33 âng 28.36°)A	(17694.44-8416.14i)VA	(8.33 âng 28.36°)A	(17694.44-8416.14i)VA
2400 V	240 V	0.68 ohm	7.8 ohm	0.0068 ohm	0.078 ohm	20000 VA	1.00	(2414.84 âng 3.09°)V	(8.33 âng 0.00°)A	(20094.44+1083.33i)VA	(8.33 âng 0.00°)A	(20094.44+1083.33i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	10000 VA	0.90 ind	(465.53 âng 4.80°)V	(22.73 âng -25.84°)A	(9103.31+5391.96i)VA	(22.73 âng -25.84°)A	(9103.31+5391.96i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	10000 VA	0.90 cap	(426.44 âng 5.77°)V	(22.73 âng 25.84°)A	(9103.31-3325.84i)VA	(22.73 âng 25.84°)A	(9103.31-3325.84i)VA
440 V	220 V	0.10 ohm	1.0 ohm	0.0250 ohm	0.250 ohm	10000 VA	1.00	(446.86 âng 5.84°)V	(22.73 âng 0.00°)A	(10103.31+1033.06i)VA	(22.73 âng 0.00°)A	(10103.31+1033.06i)VA