

X----- FROM BUS -----X AREA VOLT										X----- TO BUS -----X										TRANSFORMER		RATING		
BUS#	X--	NAME	--X	BASKV	ZONE	PU/KV	ANGLE	GEN MW/MVAR	LOAD MW/MVAR	SHUNT MW/MVAR	BUS#	X--	NAME	--X	BASKV	AREA	CKT	MW	MVAR	RATIO	ANGLE	%	SET	A
1				16.500	1	1.0400	0.0	71.7	0.0	0.0	-----													
				17.160	1			27.1R	0.0	0.0	4				230.00	1	1	71.7	27.1	1.000	UN			
2				18.000	1	1.0250	9.3	163.0	0.0	0.0	-----													
				18.450	1			6.6R	0.0	0.0	7				230.00	1	1	163.0	6.8	1.000	UN			
3				13.800	1	1.0250	4.7	85.0	0.0	0.0	-----													
				14.145	1			-10.9R	0.0	0.0	9				230.00	1	1	85.0	-10.8	1.000	UN			
4				230.00	1	1.0258	-2.2	0.0	0.0	0.0	-----													
				235.93	1			0.0	0.0	0.0	1				16.500	1	1	-71.7	-24.0	1.000	LK			
											5				230.00	1	1	40.9	22.9					
											6				230.00	1	1	30.7	1.0					
5				230.00	1	0.9956	-4.0	0.0	125.0	0.0	-----													
					1	229.00		0.0	50.0	0.0	4				230.00	1	1	-40.7	-38.7					
											7				230.00	1	1	-84.3	-11.3					
6				230.00	1	1.0127	-3.7	0.0	90.0	0.0	-----													
					1	232.91		0.0	30.0	0.0	4				230.00	1	1	-30.5	-16.5					
											9				230.00	1	1	-59.5	-13.4					
7				230.00	1	1.0257	3.7	0.0	0.0	0.0	-----													
					1	235.92		0.0	0.0	0.0	2				18.000	1	1	-163.0	9.1	1.000	LK			
											5				230.00	1	1	86.6	-8.4					
											8				230.00	1	1	76.4	-0.9					
8				230.00	1	1.0159	0.7	0.0	100.0	0.0	-----													
					1	233.66		0.0	35.0	0.0	7				230.00	1	1	-75.9	-10.6					
											9				230.00	1	1	-24.1	-24.3					
9				230.00	1	1.0323	2.0	0.0	0.0	0.0	-----													
					1	237.44		0.0	0.0	0.0	3				13.800	1	1	-85.0	14.9	1.000	LK			
											6				230.00	1	1	60.8	-18.1					
											8				230.00	1	1	24.2	3.1					