

Bus	Type	V(pu)	Angle($^{\circ}$)	P_G (MW)	Q_G (Mvar)	P_L (MW)	Q_L (Mvar)
1	2	1.03	-0.00	3695.94	28.33	0.00	0.00
2	1	0.99	-18.66	349.50	-90.23	0.00	0.00
3	0	0.96	-37.28	0.00	0.00	237.00	82.30
4	1	1.02	-40.98	11.40	146.87	0.00	0.00
5	0	0.95	-49.40	0.00	0.00	237.50	67.00
6	0	0.91	-63.70	0.00	0.00	335.50	50.00
7	1	0.95	-56.13	141.70	-171.60	0.00	0.00
8	0	0.99	-50.35	0.00	0.00	282.00	10.00
9	0	0.95	-47.58	0.00	0.00	315.30	5.10
10	0	0.99	-31.15	0.00	0.00	364.60	35.50
11	0	0.97	-33.67	0.00	0.00	186.00	9.00
12	0	1.03	-18.13	0.00	0.00	0.00	0.00
13	0	0.97	-43.63	0.00	0.00	611.90	51.20
14	0	1.03	-15.41	0.00	0.00	1352.00	2.00
15	1	1.03	-16.23	200.00	9.58	0.00	0.00
16	0	1.00	-26.51	0.00	0.00	0.00	150.00
17	0	1.04	-25.83	0.00	0.00	0.00	-140.00
18	0	0.98	-40.48	0.00	0.00	0.00	120.80
19	0	1.06	-56.89	0.00	0.00	0.00	0.00
20	0	0.95	-59.51	0.00	0.00	25.35	20.60
21	0	0.97	-60.65	0.00	0.00	42.88	75.00
22	0	0.97	-60.78	0.00	0.00	31.44	28.40
23	0	0.97	-60.15	0.00	0.00	20.20	16.00
24	0	0.97	-57.86	0.00	0.00	24.09	12.00
25	0	0.95	-50.58	0.00	0.00	93.21	50.80

Tabela 1: Bus Data - 25-bus test system