$ Fixed Frequency Source Data  
$1......12......23......3AA1....12....23....34....45....56....67...78...89...9ZZ  
E  
$ Machine Data  
$1......12......23......3AA1....12....23....34....45....56....67...78...89...9ZZ  
S G1  
1 RG 2.35 0.4 0.85 3000 50.  
2 0.0807 .00262 .004 8.18  
5 0.035 0.16 .956 .20 1.8  
6 .035 0.156 .184 0.336 1.75  
S G5  
1 RG 2.35 110 0.85 3000 50.  
2 0.08 .005 .004  
5 4 0.2 8 .4 1.8  
6 .2 0.4 .4 0.6 1.7  
S G4  
1 RG 2.35 20 0.85 3000 50.  
2 0.0807 .00262 .004 8.18  
5 0.035 0.16 .956 .20 1.8  
6 .035 0.156 .184 0.336 1.75  
S G3  
1 RG 2.35 20 0.85 3000 50.  
2 0.0807 .00262 .004 8.18  
5 0.035 0.16 .956 .20 1.8  
6 .035 0.156 .184 0.336 1.75  
S G2  
1 RG 2.35 20 0.85 3000 50.  
2 0.0807 .00262 .004 8.18  
5 0.035 0.16 .956 .20 1.8  
6 .035 0.156 .184 0.336 1.75  
E  
$ Network Data  
$1......12......23......3AA1....12....23....34....45....56....67...78...89...9ZZ  
$--- Fixed Frequency Sources  
$--- Machines  
VK0 G1 2  
SK1 G5 1 0  
VK10 G4 2  
VK8 G3 1.5  
VK5 G2 .25  
$--- Transformers  
TK2 T1 Yd20 20 2 8 12.5  
TK0 110.4 0.4  
RK0 $R00001 01 1.0E+6 0.4  
$  
TK1 T2 Dy110 110 12.5 0.5 10.5  
TK3 0120 20  
RK1 $R00002 01 1.0E+6 110  
$  
$--- Breakers

$--- Lines (With Fault Locations and Fault Branches)  
LK3 K2 Ln1 0.5 0.206 0.112 249 20 .315  
LK9 K2 Ln9 0.9 0.253 0.125 231 20 .283  
LK3 K4 Ln2 1.2 0.253 0.125 231 20 .283  
LK4 K5 Ln3 0.4 0.320 0.13 212 20 .248  
LK5 K6 Ln4 1 0.320 0.13 212 20 .248  
LK6 K7 Ln5 0.2 0.443 0.137 191 20 .208  
LK3 K7 L10 0.7 0.31 0.35 10 20 .35  
LK7 K8 Ln6 0.6 0.443 0.137 191 20 .208  
LK9 K8 Ln7 0.1 0.320 0.13 212 20 0.248  
LK9 K10 Ln8 2 0.413 0.36 10 20 .29  
$--- Serial Impedances  
$--- Loads  
VK4 Ld1 01-.63 -.2  
VK5 Ld3 01-.25 -.082  
VK5 Ld4 01-.4 -.131  
VK5 Ld2 01-.4 -.131  
VK10 Ld8 01-.1 -.033  
VK7 Ld6 01-.63 -.131  
VK7 Ld7 01-.4 -.2  
VK6 Ld5 01-1. -.329  
$--- Macros  
$--- Instrumentation Transformers  
E  
CONTROLLER IN LOADFLOW:  
E  
$ Controller Data  
E  
$ Load Torque of Working Machines  
$1......12......23......3AA1....12....23....34....45....56....67...78...89...9ZZ  
ENDE