

Project:  
Location:  
Contract:  
Engineer:  
Filename: exp\_5\_problem\_2

**ETAP**  
**12.6.0H**  
  
Study Case: LF

Page: 1  
Date: 03-08-2018  
SN:  
Revision: Base  
Config.: Normal

**LOAD FLOW REPORT**

Bus		Voltage		Generation		Load		Load Flow				XFMR	
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
* Bus1	100.000	105.000	0.0	218.423	140.851	0	0	Bus2	179.362	118.734	1182.7	83.4	
								Bus3	39.061	22.118	246.8	87.0	
Bus2	100.000	97.168	-2.7	0	0	400.000	250.000	Bus1	-170.968	-101.947	1182.7	85.9	
								Bus3	-229.032	-148.053	1620.4	84.0	
* Bus3	100.000	104.000	-0.5	200.000	146.177	0	0	Bus1	-38.878	-21.569	246.8	87.4	
								Bus2	238.878	167.746	1620.4	81.8	

\* Indicates a voltage regulated bus (voltage controlled or swing type machine connected to it)

# Indicates a bus with a load mismatch of more than 0.1 MVA