	Tutorial 52		To	Local
1)	Generatur	T1 3mvA	T2 2MVA	1.5mvA
_	SMVA		272 = 6%	
	Z6= 10%	7n=6%	V= 66KV/22KV	22KV
	Nº - 11kA	A = 11/89KA	A > \$000 1/20	
(a)	Vb = 11KV, 66KV,	22* ^V		
(6)	Sb= 5mVA			
	Genevator = 4	\$		
	= 5	mva Cmua		
		Opu		
	T1 = ==			
	= 0.6 ou			
	T2 = == = = = = = = = = = = = = = = = =			
	=0.40u			
	/ L impeds	410		
(6)	Convert impeda	INC.		
-	3 - 0.last			
	ZG - 0.1000 SP	new		
	26 = 0.1pu 211 = 2pm × 56	and .		
	= to 0.			
	= 0-190			
		-		THE RESERVE OF THE PARTY OF THE
	ZTZ = 0.06x	2		
	= 0.15ou			
			The same of the sa	
	= 0.06×	2		

910				
)	2mvA			<u> </u>
1	400V	50)-		1001
1	50Hz (G)		jo-62/phose	1000
1	26=10%	2T -5%	30-62/plase	1.5 mUA
		SMVA		
1		400 V/6-61CV		
	B Sh= 2mVA	-		
	26= Dapa 0-1pu			
4	27= 0.05 × 82			
4	21: 1.45 - 5			
	= 0.02pu			
_	Vh2			
	26 = Vb2			1000
	= (6-6×10 ³) ²			
	2×10 ³			
Ī	= 21.78			
Ī	-01			
i	Zeable = 21-78			
-	= 10.0275 pu			
-				
-				
	T Sh			
	IFL: 13Vb 15×108			
	2 18×6.0×103			
	= 131. 216 A	-		

(iii) 3-phase	fault at load-end		
	Parkie Comme	Negative Sequence	Zero Sequen
	Positive Sequence		
2	0.1	0.1	0
26			
21	0.07	0.02	O
21		; 1.0275	
20	j0-0275 10-1475	30-1475	D
20			
	5 270	60 200	
0	Jun o other	0	
	Z60 0		
	1		
	4 4/D		
	4 4/0		
		275	
Total per	squence = 0.1 + 0.02 +	jø.0275	
Total per		jø.027S	
	= j 0.1475	jø.027S	
	= j 0.1475	jø·0275	
I ₁ = 13	$squence = 0.1 + 0.02 + 0.02 + 0.0475$ $s6-6\times10^{3}$	jø.027S	
I ₁ : I ₃	squence = 0.1 + 0.02 + = j 0.1475	jø.0275	
I ₁ : I ₃	squence = 0.1 + 0.02 + = j 0.1475	jø.027S	
I ₁ = I ₂ = 13	Squence = 0.1 + 0.02 + = j 0.1475 x6-6×10 ³ +4.95A	jø.0275	
I ₁ = I ₂ = 13	squence = 0.1 + 0.02 + = j 0.1475	jø.027S	
I ₁ = I ₃ = 13	Squence = 0.1 + 0.02 + = j 0.1475 x6-6×10 ³ +4.95A 	jø.0275	
I ₁ = I ₂ = 13	39000000000000000000000000000000000000	jø.027S	
I ₁ = I ₃ = 13	$squence = 0.1 + 0.02 + 20.1475$ $s6-6x10^{3}$ $s4-45A$ $s6-6x10^{3}$	jø.0275	
I ₁ = I ₃ = 13	39000000000000000000000000000000000000	jø.027S	
I ₁ = I ₃ = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	$squence = 0.1 + 0.02 + 2 = 0.1475$ $s6-6\times10^{3}$ $+4.95A$ -1475×17445 $1186A$ $v_{6}^{2} = \frac{400^{2}}{200vA}$ $= 0.008$	jø.0275	
I ₁ = I ₃ = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	$squence = 0.1 + 0.02 + 20.1475$ $s6-6x10^{3}$ $s4-45A$ $s6-6x10^{3}$	j 0 · 0275	
I ₁ = I ₃ = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	$sqvence = 0.1 + 0.02 + 2 = 30.1475$ $s6-6×10^{3}$ $44.95A$ $174.95A$ 17	jø.0275	
I ₁ = I ₃ = 13	$squence = 0.1 + 0.02 + 2 = 0.1475$ $s6-6\times10^{3}$ $+4.95A$ -1475×17445 $1186A$ $v_{6}^{2} = \frac{400^{2}}{200vA}$ $= 0.008$		

