Table 4.4 Calculation Results by Y-method

(Excitation System Model : LAT = 1, Load Characteristic : Constant Current [NLT = 2])

Branch, Fault Location	Daytime Condition		Nighttime Condition	
	1 cct. 3LG-O	2 cct. 3LG-O	1 cct. 3LG-O	2 cct. 3LG-O
2101 (Point A)	(Add.) 1st [G1]			
2102 (Point B)	(Fig.) N th (7 sec) [G1]	1st [G1]		1st [G1]
2103	N th (7 sec) [G1]	1st [G1, etc.]	1st [G1]	1st [G1, etc.]
2104-2105	Stable	1st [G6, etc.]	N th (6s) [G1, etc.]	1st [G5, etc.]
2107-2108 (Point C)	(Fig.) Stable	1st [G7, etc.]		1st [G1, etc.]
3104 (Point D)		N th (9 sec) [G9, etc.]		(Fig.) Stable
3105	Stable	Stable	Stable	Stable
3108	Stable	Stable	Stable	Stable
3109	Stable	Stable	Stable	Stable
3110	Stable	Stable	Stable	Stable
3112		1st [G17, etc.]		1st [G17, etc.]
3124	Stable	Stable	Stable	Stable
3128	Stable	Stable	Stable	Stable
3129	Stable	Stable	Stable	Stable
3133	Stable	Stable	Stable	Stable
3134	Stable	Stable	Stable	Stable

Legend :

1st : Step-out in 1st internal angle swing after the fault is cleared.
N th : Step-out in several swings after the fault is cleared.
(Fig.) : In this case, the calculation results are shown in graph figures.
(Add.) : In this case, the excitation system model (LAT) is changed as additional case.
(? sec) : Approximate time that any generator is step-out.
[G?] : Generator(s) No. that is step-out.

Note1 : Fault Duration Time is 70 [ms] in all cases.
Note2 : The "Step-Out" is judged when the generator internal angle is more than 360 [deg] from the reference generator G18.