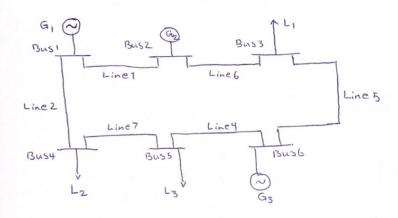
رمن آدینهٔ بدر ۱۸۱۴۳۵۳ منزن کسر 5 تصل ستم



generator	Bus	P (P.u)	(Q (P. u)	Q (P.W)	(Piu)
1	1	Lenot	pulal	- 2	2
2	2	1.4	Lostal.	-1	1.4
3	3	0.2	0.1	-0.1	0.2

Line	From	to	Z(P.u)	capabity	Y/2 (P.U)
1	1	2	0.1+10.17	2,	30
2	1	4	0.15+10.258	1	٥٤
3	2	4	0.12+10:197	2	90
4	5	6	0.08+10.14	١	30
-	3	6	0.01+30.018	1	00
2		1		9	30
6	2	3	0.02+50.037	2	1
7	4	5	0.02+;0.037	2	10

Bus 1	P (P. 4)	Q (P.u)
,	0.6	0.25
2	0.5	0.2
3	0.4	0.15
4	0.4	0.15
5	0.5	0.2
6	0.5	0.2

الذي ندي باس هاو متقدر هار هات محصول دا تعس كند ؟

$$Y_{12} = \frac{1}{Z_{1Z}} = \frac{1}{0.11 \pm 0.17} = 2.57 - j + .37$$

$$Y_{16} = \frac{1}{Z_{26}} = \frac{1}{0.08 + j0.14} = 3.076 - j \cdot 5.38$$

$$Y_{14} = \frac{1}{Z_{24}} = \frac{1}{0.15 + j0.258} = 1.68 - j \cdot 2.89$$

$$Y_{23} = \frac{1}{Z_{23}} = \frac{1}{0.02 + j0.037} = 1.30 - j \cdot 20.91$$

$$Y_{24} = \frac{1}{Z_{24}} = \frac{1}{0.12 + j0.197} = 2.253 - j \cdot 3.7$$

$$Y_{45} = \frac{1}{Z_{45}} = \frac{1}{0.02 + j0.037} = 1.30 - j \cdot 20.91$$

$$Y_{11} = Y_{12} + Y_{14} = 4.2549 - j7.2670$$
 , $Y_{44} = Y_{14} + Y_{24} + Y_{45} = 15.24 - j27.51$
=> $Y_{22} = Y_{12} + Y_{23} + Y_{24} = 16.13 - j28.99$, $Y_{55} = 24.38 - j26.30$
 $Y_{33} = 4Y_{23} + Y_{36} = 34.90 - j63.36$, $Y_{66} = Y_{36} + Y_{56} = 26.66 - j47.83$