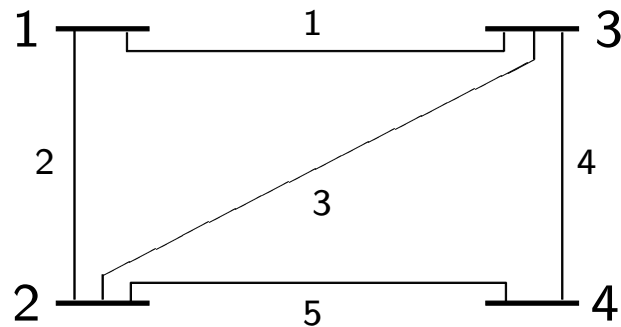


Exercício: Formação de Matrizes de Coeficientes para o Método de Newton



Linha	De	Para	$Z_{série}$	$Y_{série}$
1	1	3	$0,010 + j0,10$	$0,9900 - j9,90$
2	1	2	$0,020 + j0,20$	$0,4950 - j4,95$
3	2	3	$0,010 + j0,10$	$0,9900 - j9,90$
4	3	4	$0,002 + j0,40$	$0,0125 - j2,49$
5	2	4	$0,030 + j0,20$	$0,7335 - j4,89$

- Barra de folga: barra 1
- Barra PV: barra 3
- Barras PQ: barras 2 e 4.

Matriz Ybarra da Rede

$$Y_{barra} = \begin{bmatrix} 1.48 - j14.85 & -0.49 + j4.95 & -0.99 + j9.90 & 0 \\ -0.49 + j4.95 & 2.22 - j19.74 & -0.99 + j9.90 & -0.73 + j4.89 \\ -0.99 + j9.90 & -0.99 + j9.90 & 1.99 - j22.30 & -0.012 + j2.49 \\ 0 & -0.73 + j4.89 & -0.012 + j2.49 & 0.75 - j7.39 \end{bmatrix}$$