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1 Grids

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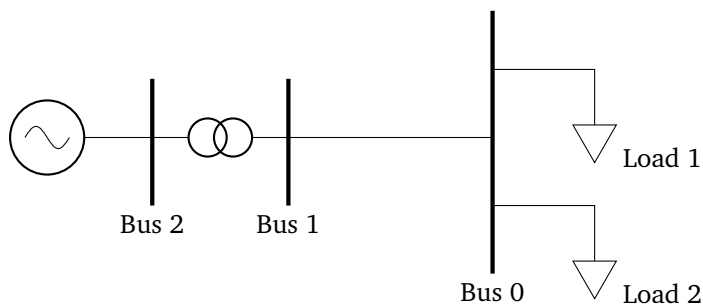


Figure 1.1: Single line network with two loads



Figure 1.2: SMIB model

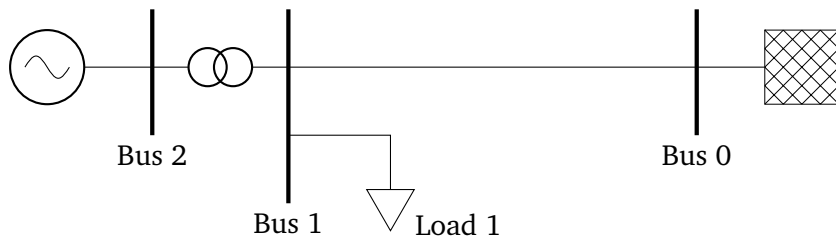


Figure 1.3: SMIB model with additional load

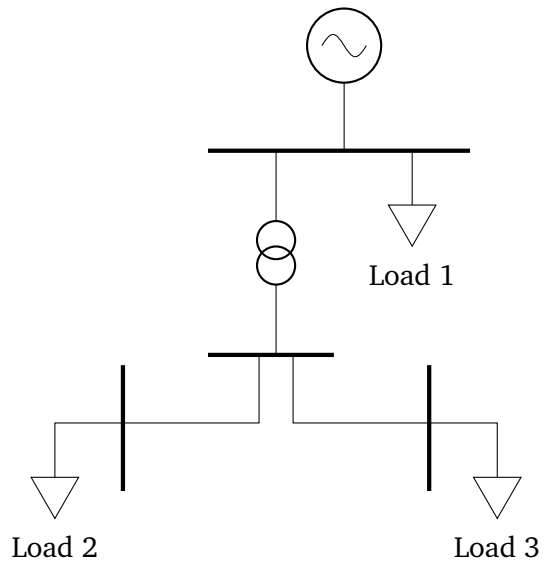


Figure 1.4: Random network with three loads on multiple voltage levels

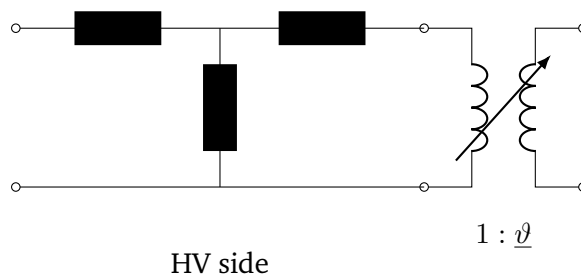


Figure 1.5: Complete transformer circuit

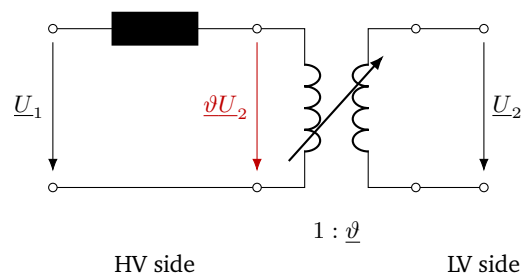


Figure 1.6: Reduced transformer circuit

$$\underline{Z}_{12} = \frac{1}{\underline{\vartheta}} \cdot \underline{Y}_T; \underline{Z}_{21} = \frac{1}{\underline{\vartheta}^*} \cdot \underline{Y}_T$$

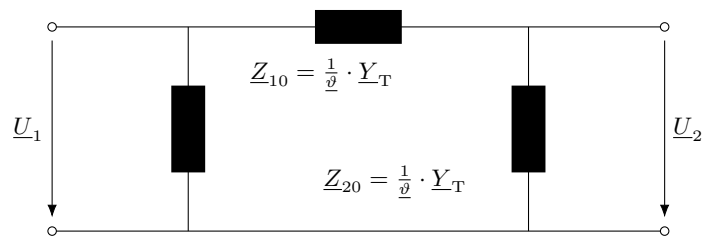


Figure 1.7: Transformer Pi circuit

2 Control Blocks

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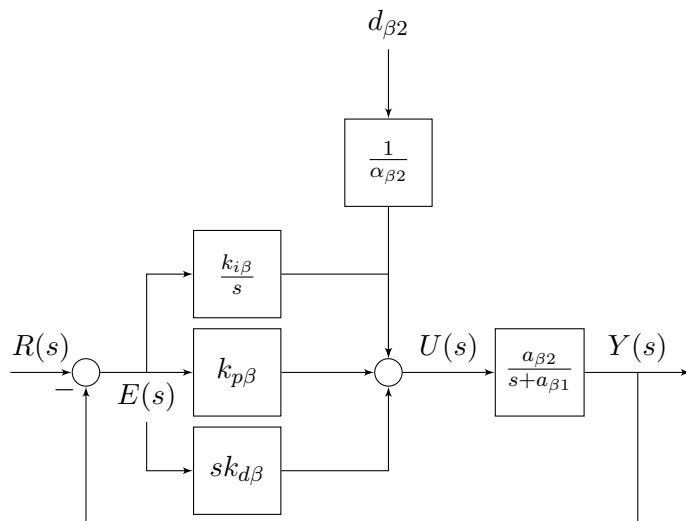


Figure 2.1: Example: Control block diagram

3 Others

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