

Matrix Distribusi Beban:

Wilayah Pembangkit	I	II	III	IV	Kendala Kapasitas
A	x_1	-	x_2	x_3	$\leq P_1$
B	-	x_4	-	x_5	$\leq P_2$
C	x_6	x_7	x_8	x_9	$\leq P_3$
D	x_{10}	x_{11}	x_{12}	x_{13}	$\leq P_4$
E	E_1	E_2	E_3	E_4	$\leq P_5$

$$E_1 = Q_1 - x_1 - x_6 - x_{10}$$

$$E_2 = Q_2 - x_4 - x_7 - x_{11}$$

$$E_3 = Q_3 - x_2 - x_8 - x_{12}$$

$$E_4 = Q_4 - x_3 - x_5 - x_9 - x_{13}$$

Kendala:

$$x_{11}, x_{13} \geq 0 \rightarrow$$

$$E_1, E_4 \geq 0 \rightarrow$$

$$A = [22 \times 13]$$

$$b = [22 \times 1]$$