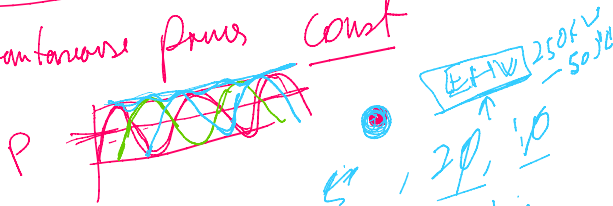


① Instantaneous power const



② It is more economical for same 'P' delivery to load



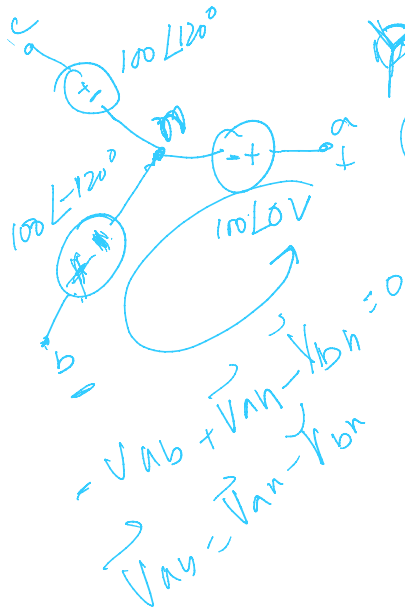
$$V_{ab} = V_a - V_b$$

$$V_{ab} + V_{bc} + V_{cd} = V_{ad} \quad (1)$$

$$V_{ad} = V_{ac} + V_{cd} \quad (2)$$

$$V_{ad} = V_{ab} + V_{bd} \quad (3)$$

$$V_{ad} = V_{an} + V_{ad} \quad (4)$$



$$\vec{V}_{ab} = \vec{V}_{an} + \vec{V}_{nb}$$

$$V_{nb} = V_{an} - V_{bn}$$

$$= 100\angle 0 - 100\angle -120^\circ$$

$$\vec{V}_{ab} = \sqrt{3} \times 100 \angle 30^\circ \text{ V}$$

