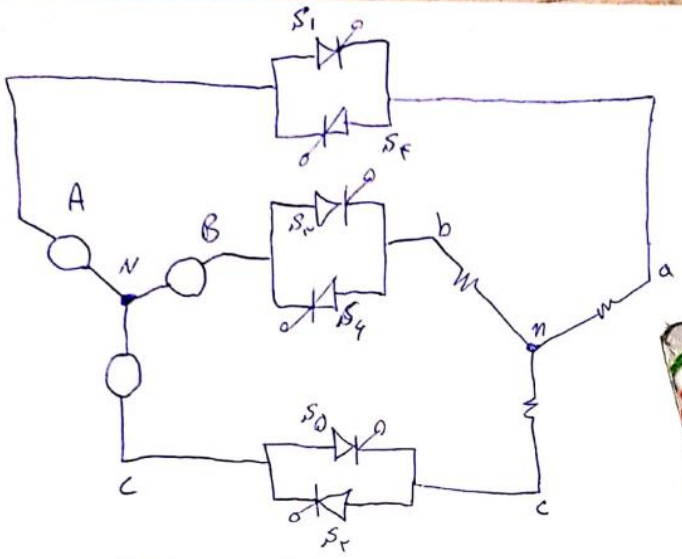
احمد تجعفری ۹۷۲۰۵۹۲

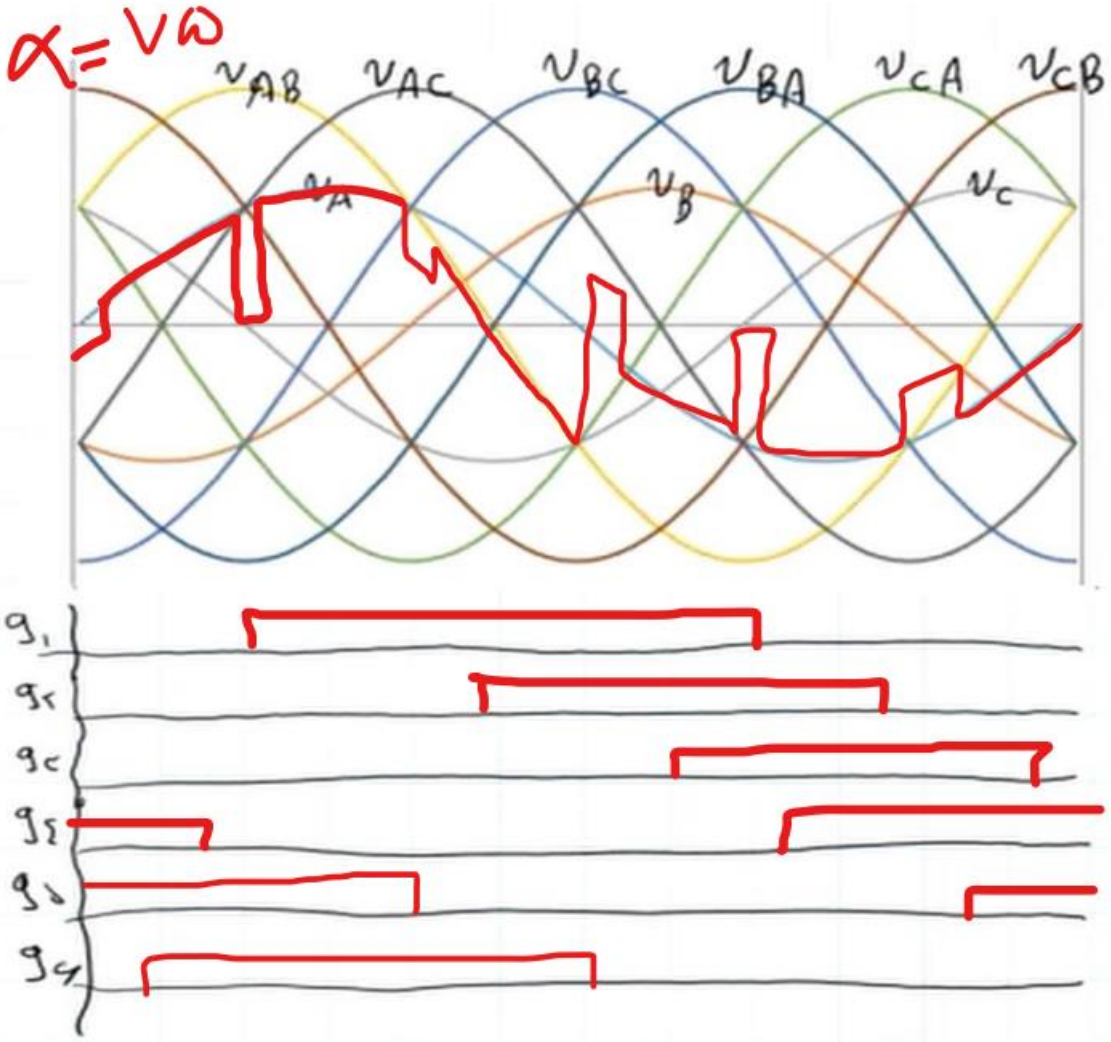


$$V_{orms} = \sqrt{\frac{1}{2\pi}\int_0^{2\pi} V_{am}^2 \, d\omega t} = 122.2$$

$$P_s = 3\frac{V_{orm}^2}{10} = \frac{3 \times 122.2^2}{10} = 4482.94$$

$$S = 3 V_{srms} \times I_{srms} = 3 \times 380 \times \frac{V_{orm}}{R} = 9491.2$$

$$\rightarrow P.F = \frac{P}{S} = 94.72\%$$


α = 0
v_{AB}
v_{AC}
v_{BC}
v_{BA}
v_{CA}
v_{CB}
v_A
v_B
v_C
g_1
g_2
g_3
g_4
g_5
g_6