

$$V_A = \frac{k_q}{R_4 + R_5} V_{K3}$$

$$V_{R4} = \left(\frac{2000}{2000 + 1600}\right) \approx 3.75$$

$$VR_4 = \frac{2}{3} \times 3.75 = 2.5 V$$

R load value ()	4/ lead (MA	1/ Penal (mw)
470.	5.319	13,297 mw
1000	2.500	6.25
1570	1.592	3.480
2700	0.925	d. 314

$$V = iR$$

$$P = iV$$

$$R = P = \frac{V^2}{R}$$

$$\frac{(2-5)^2}{470} = \frac{13,297 \, \text{m/sw}}{4700}$$

$$\frac{(2.5)^{2}}{1000} = P_{bood 10002} = 6.25 \text{ mw}$$