

No - Vn= 20 Wars-frie 1. BINN 0.2 mA V N = Vp > Virtual gnd  $V_0 - V_p = 2V$ set west dece, 2= \frac{V}{R} = \frac{2}{101} = 0.2 mA VP 1 = 0.2 Vp= IRE 0.2 x 15 = So, (N= 1/p=31) isill his works + 2 + 0 B. 1.

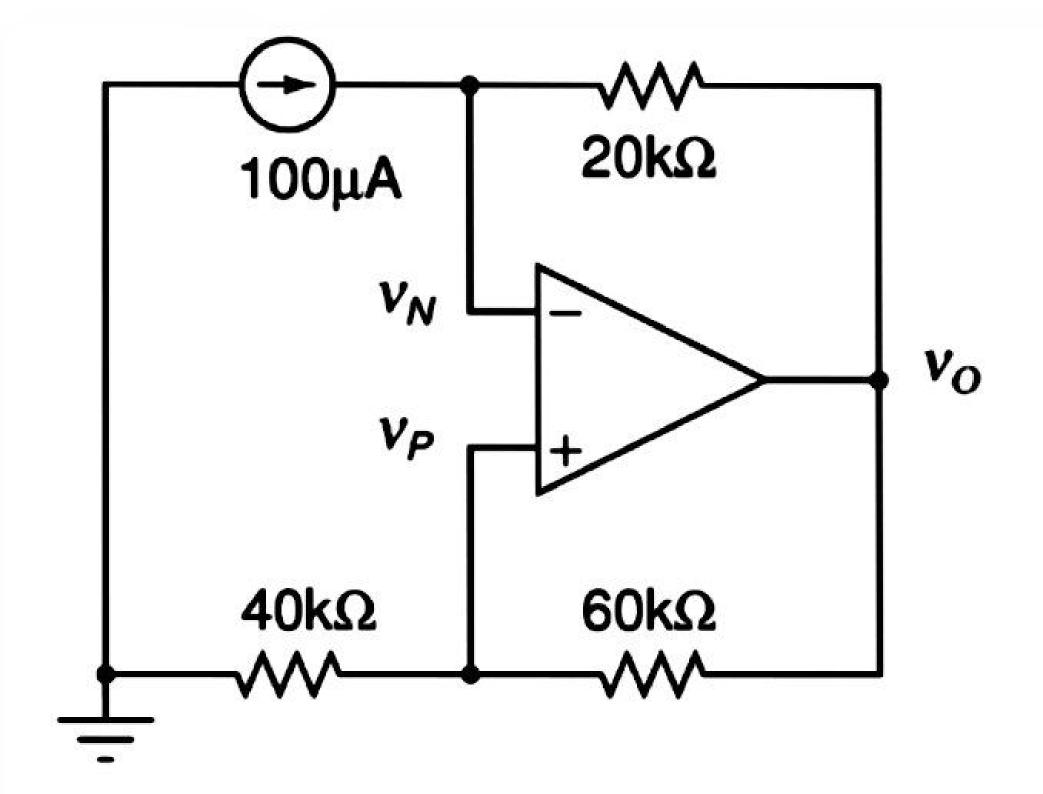
was ? Comment

Power: 
$$P = V2 = V^2 = 3^2 = 1.8 \text{m m}$$
 $V_{5k,1} = \frac{V^2}{R} = \frac{3^2}{5k} = \frac{1.8 \text{m m}}{3}$ 
 $V_{10k} = VI = 2 \times 0.2 = 6.4 \text{m m}$ 
 $V_{15k} = V2 = V_{p} \times 0.2 = 3 \times 0.2$ 
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 $V_{15k} = V2 = V_{p} \times 0.2 = 3 \times 0.2$ 
 $V_{15k} = V_{15k} = 0.6 \text{m m}$ 

Since constraint

 $V_{15k} = V_{15k} = 0.4 + 0.6$ 
 $V_{15k} = 0.6 \text{m m}$ 
 $V_{15k} = 0.2 \text{m m}$ 
 $V_{15k} = 0.6 \text{m m}$ 
 $V_{15k} = 0.6$ 

delivered by op camp = VI = 5×(1.2+0.2)
= 7mN



$$= 2 + V_{N}$$

$$= 2 + 1.33$$

$$= 3.33 V$$

P20k = VI = 2x loox10-6 = 200 ew = 0.2 mw  $P_{60k} = VI$   $= 2x \frac{1}{15} = 0.066 \text{ mw}$  = 36 = 15Pao = VI = Vp x 0.1  $= 1.33 \times \frac{1}{30}$ = 0.0493 mw So, Pe = 0.2+0.066+0.0493 = 0.3103 mW. Now, Power by 100 MA source V = WN = 1.83 V I = boowA So, P = 1.33 x 106 MA 1.33 x 10-4W = 0.133 mw. Top \$ 0.03 = 0.1 [Jop= 0.07 mA] So, Pletivered by opamp = 0.2331 mw