Ertugal KANTAR Öder 3 05190000086 Soluful Node-3 $\rightarrow \frac{V_3-V_4-2}{1k} = 0 \rightarrow V_3-V_4-2 = 0$ (IV) Node- $4 \rightarrow \frac{V_4 - V_1}{2k} + \frac{V_4 - V_2}{1k} + \frac{V_4 - V_3}{1k} = 0 \rightarrow$ $\rightarrow V_4 - V_1 + 2V_4 - 2V_2 + 2V_4 - 2V_3 = 0$ $5V_4 - V_1 - 2V_2 - 2V_3 = O(V)$ Denklem Gözümleri: (III) ve (II) > V2 - V4 + Voc = OD $(IV) \rightarrow V_{0c} - V_4 - 2 = 00$ 2 $(V) \text{ ye} (I) \rightarrow 5V_4 + 12 - 2V_2 - 2V_{0c} = 03$ Penklember Gözülürge, $V_2 = -4V$ $V_4 = -\frac{16}{3}V$ $V_{0c} = -\frac{10}{3}V$ $\frac{1}{2}$ $\frac{1}$ Node-4 > $\frac{V_4+12}{2k} + \frac{V_4-V_2}{1k} + \frac{V_4-V_3}{1k} = 0 \longrightarrow 5V_4-2V_2-2V_3+12=0$ V₃=0(4)→Hocom bunu sonra fark ettim...

10,2,3,4) ten V₂=-24 V₄=-12 [isc=-10 mA] $R_{Th} = \frac{-10}{3} = 333.3 \Omega = \frac{1}{3} k\Omega$ $\frac{-10}{1000} = 333.3 \Omega = \frac{1}{3} k\Omega$ $\frac{10}{3} V = \frac{1}{3} k\Omega$ $P_1 = \frac{(5/3)^2}{1000} = \frac{1}{120} W = 8.33 \text{ mW}$

