Chapter 5, Solution 88.

We need to find V_{Th} at terminals a-b, from this,

$$\begin{split} v_o &= (R_2/R_1)(1+2(R_3/R_4))V_{Th} = \ (500/25)(1+2(10/2))V_{Th} \\ &= \ 220V_{Th} \end{split}$$

Now we use Fig. (b) to find V_{Th} in terms of v_i .

