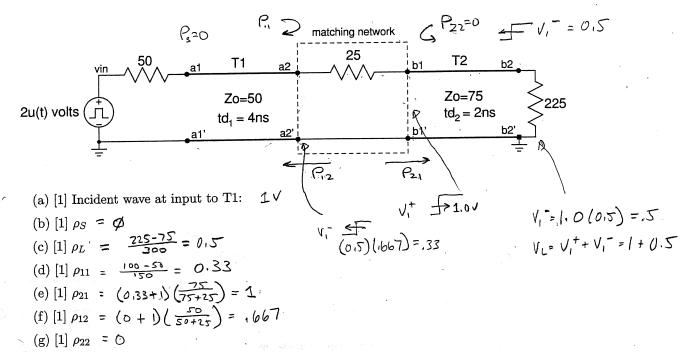
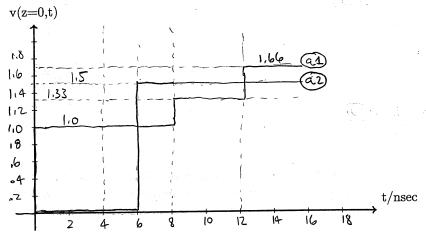
Two lossless transmission lines are connected through a matching network at their junction. Draw the voltages at the input terminal (a1) of T1 and the output terminal of T2 (b2).



(a) [10] On the graph below, draw the voltages at the input terminal (a1) of T1 and the voltages at the output terminal (b2) of T2.



(h) [4] Determine the steady-state voltages at the input to the first line (a1 and a1') and the output of the second line (b2 and b2').

Inpt:
$$\frac{50}{2}$$
 = $\frac{50}{2}$ = $\frac{25}{2}$ = $\frac{25}{2}$