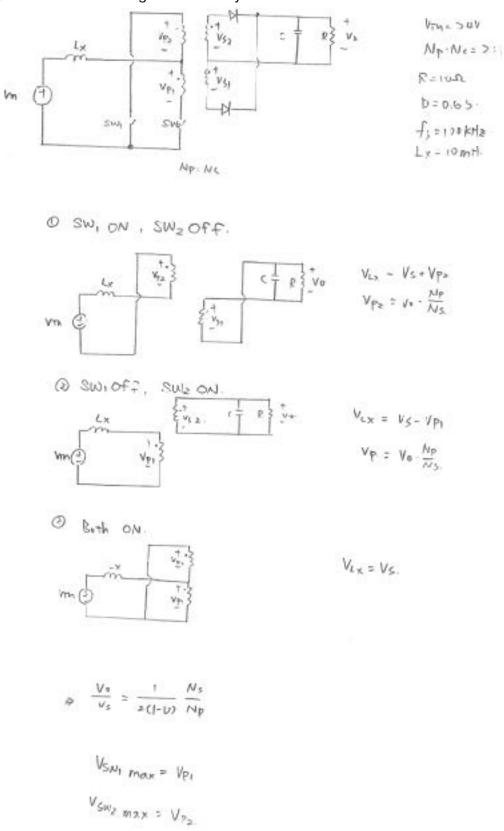
The current fed converter in the figure shown below has the following parameters. V = s 24 v,  $N_p/N_s = 2$ ,  $R = 10 \Omega$ , and D = 0.35. Assuming that the input inductor is very large, determine the following:

- a) The output voltage and the input current.
- b) The maximum voltage across every switch.



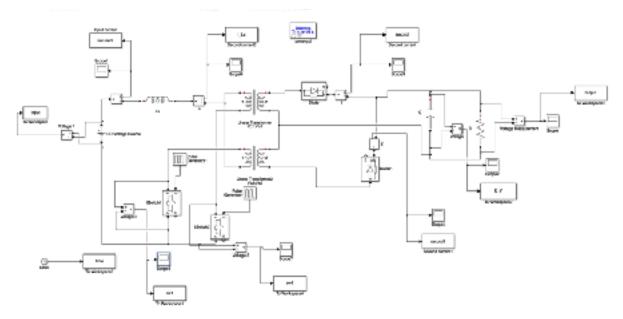


fig1. simulation of current fed converter