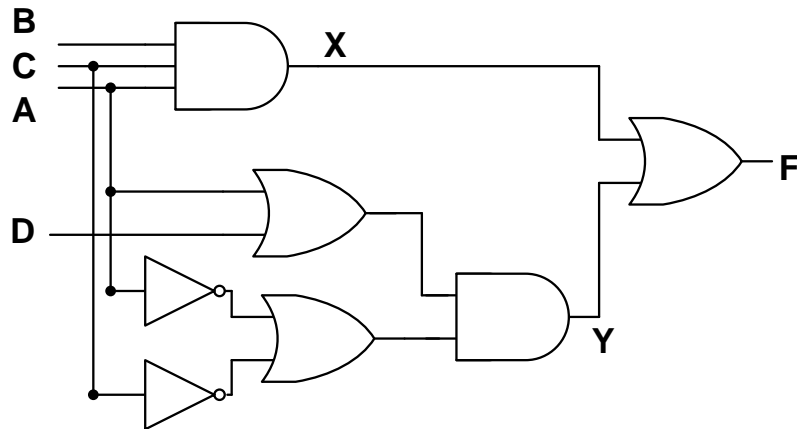


Problem 6 (17 points). We have the following multi-level circuit, and we assume that each gate has a delay of 10ns:



- (10 points) Find out the 1-hazards and eliminate them by modifying the logic function;
- (7 points) Assume that $A=B=D=1$ and they keep constant, and that C switches from 1 to 0 at $t=0$ ns. Please plot the waveforms of X , Y , and F , respectively.