L12Q1	What is the current supplied by the voltage source?	5	mA	0.005	A
L12Q2	What is the power dissipated in each diode?	D1: 10	mW	0.01	W
		D2: 0	mW		
L12Q3	Assume OIM with VON=0.7V (Si) - What is the current through the left-most diode?	0	A		
L12Q4	How many red LEDs are turned on in the circuit above? (assume OIM)	only D1			
L12Q5	How many 1.5V batteries are needed to turn on the LED?	If connected directly to the LED without any resistors, at least 3 are needed.			
L12Q6	What is the series resistance needed to get 16 mA through the LED?	75	Ω		
L12Q7	What is the resulting power dissipation in the diode?	52.8	mW	0.0528	W
L12Q8	What is the possible range of output voltages in the left circuit?				
L12Q9	What is the possible range of output voltages in the left circuit?				
L12Q10	If the input voltage waveform is whown, what is the output waveform, assuming an ideal diode model (VON=0)