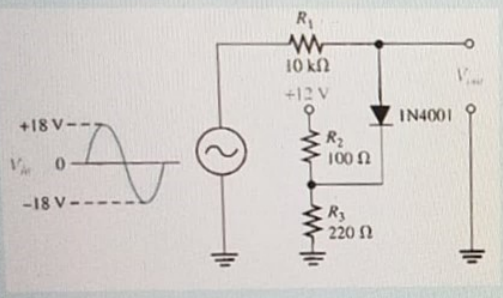
Question 7

Not yet answered

Marked out of 5.00

Flag question



Use the circuit given in the diagram;

- The circuit is a [ ] [ ] circuit.

negative bias diode
positive series diode
positive bias diode
negative shunt diode
positive peak diode

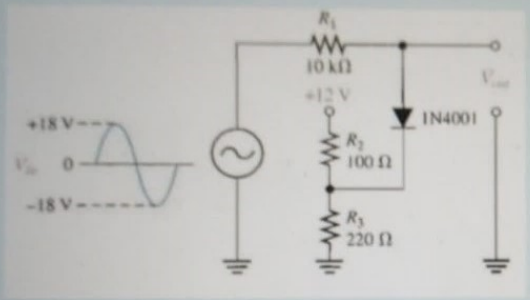
Next p

Question 7

Not yet answered

Marked out of 5.00

Flag question



Use the circuit given in the diagram;

- The circuit is a [ ] clipper circuit.

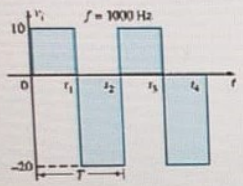
splitter
doubler
clamper
clipper

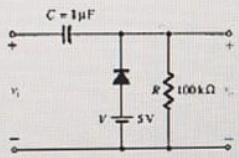
Question 2

Not yet answered

Marked out of 5.00

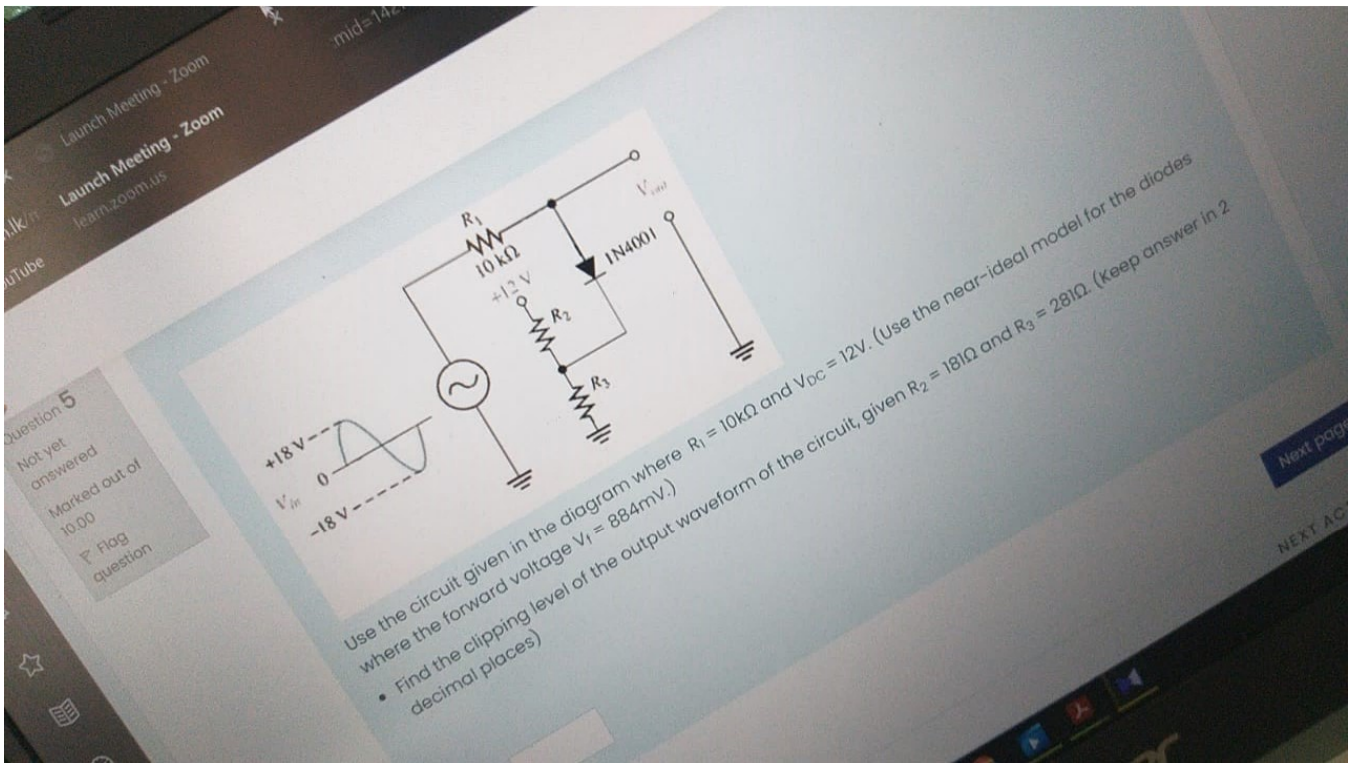
Flag question





Use the circuit given in the diagram. (Use the near-ideal model for the diodes.)

- The whole waveform will move up so that the minimum will be _____.



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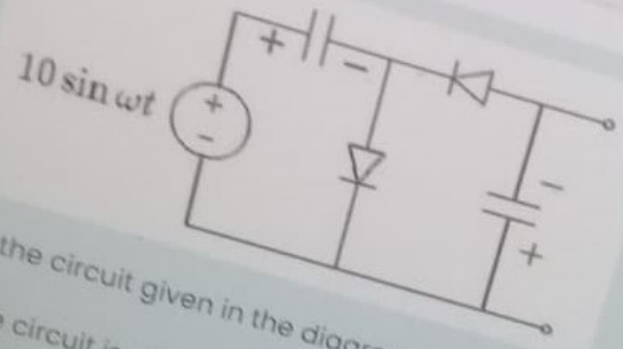


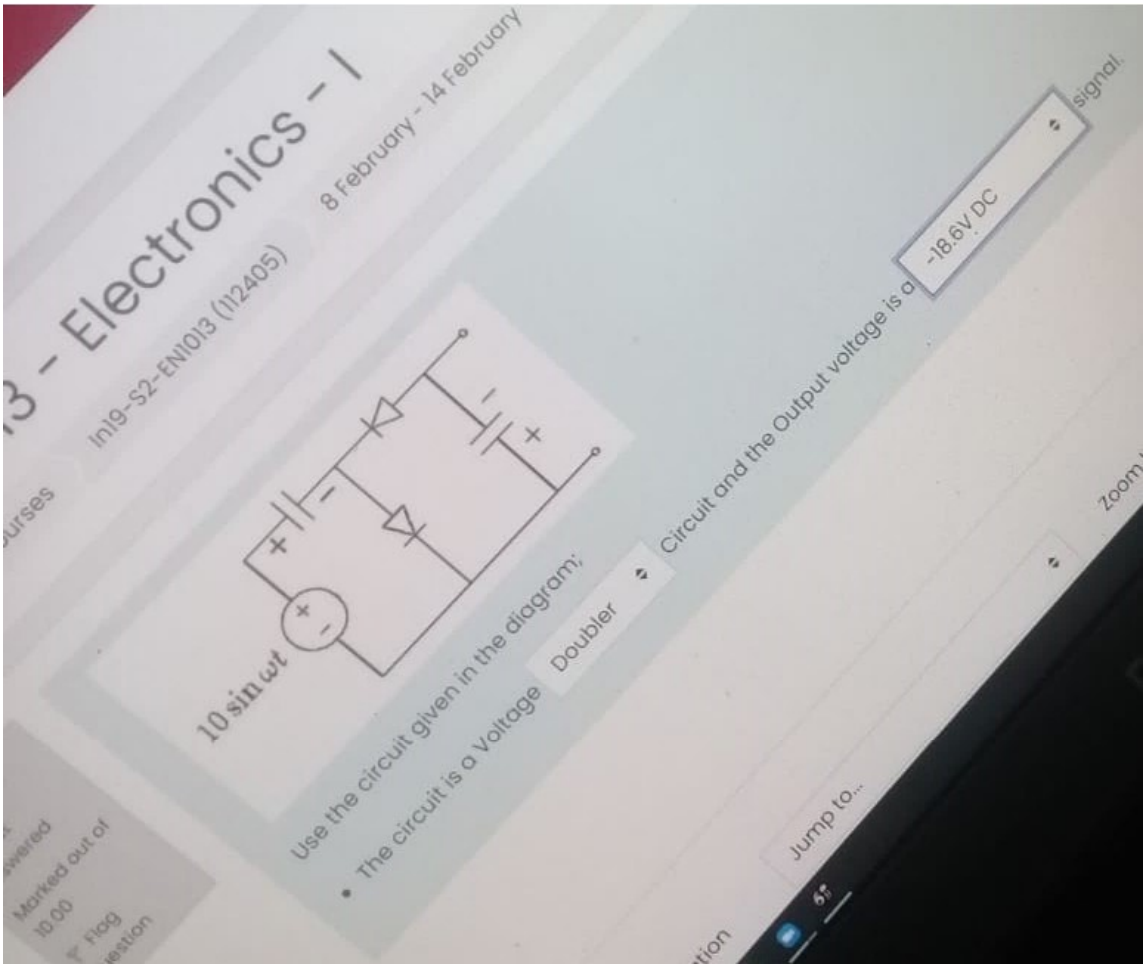
Use the circuit given in the diagram;

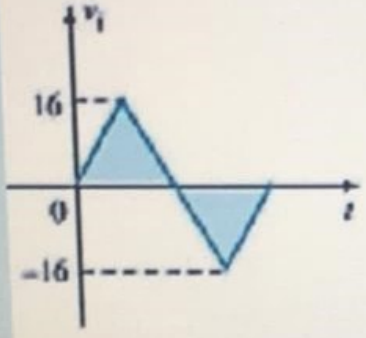
- The circuit is a Voltage [ ] Circuit and the Output voltage is a

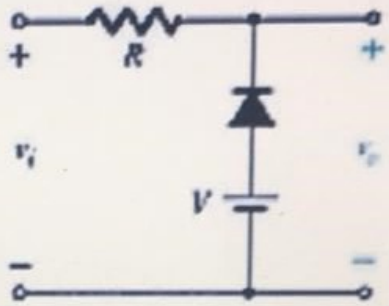
Clamping
Clipping
Splitter
Doubler

d 9 Presentation

Jump to



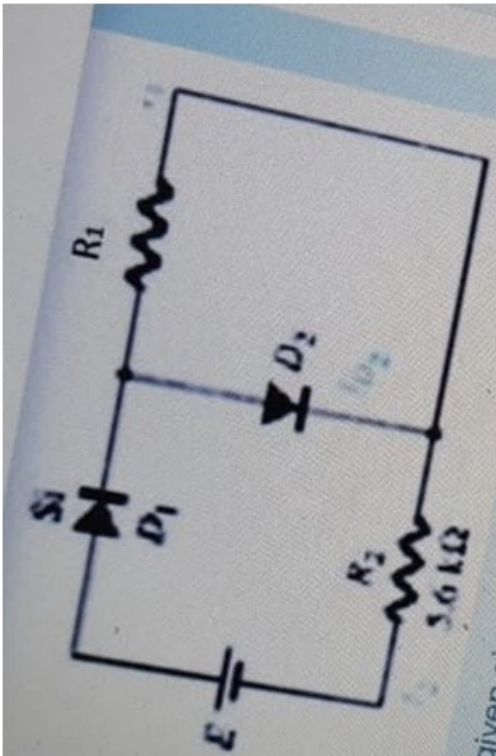




In the given circuit, V = 4V, what is the level that the triangular waveforr clipped at? Use the near-ideal model for the diodes where V_f = 737mV.

Select one:

- a. Clipping level is -4737 mV.
- b. Clipping level is -3263 mV.
- c. Clipping level is -3.26 V.
- d. Clipping level is +3263 mV.
- e. Clipping level is +4737 mV.



In the given circuit, E = 18V, R_1 = 2Ω and R_2 = 5.6kΩ. Calculate the current through diodes (i) D_1 and (ii) D_2. Use the near-ideal model for the diodes where V_f = 692mV.

Select one:

- a. (i) I(D1) = 2.97mA (ii) I(D2) = 2.62mA
- b. (i) I(D1) = 2.52mA (ii) I(D2) = 2.17mA
- c. (i) I(D1) = 3.09mA (ii) I(D2) = 2.74mA
- d. (i) I(D1) = 3.61A (ii) I(D2) = 3.27A
- e. (i) I(D1) = 3.09A (ii) I(D2) = 2.74A

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