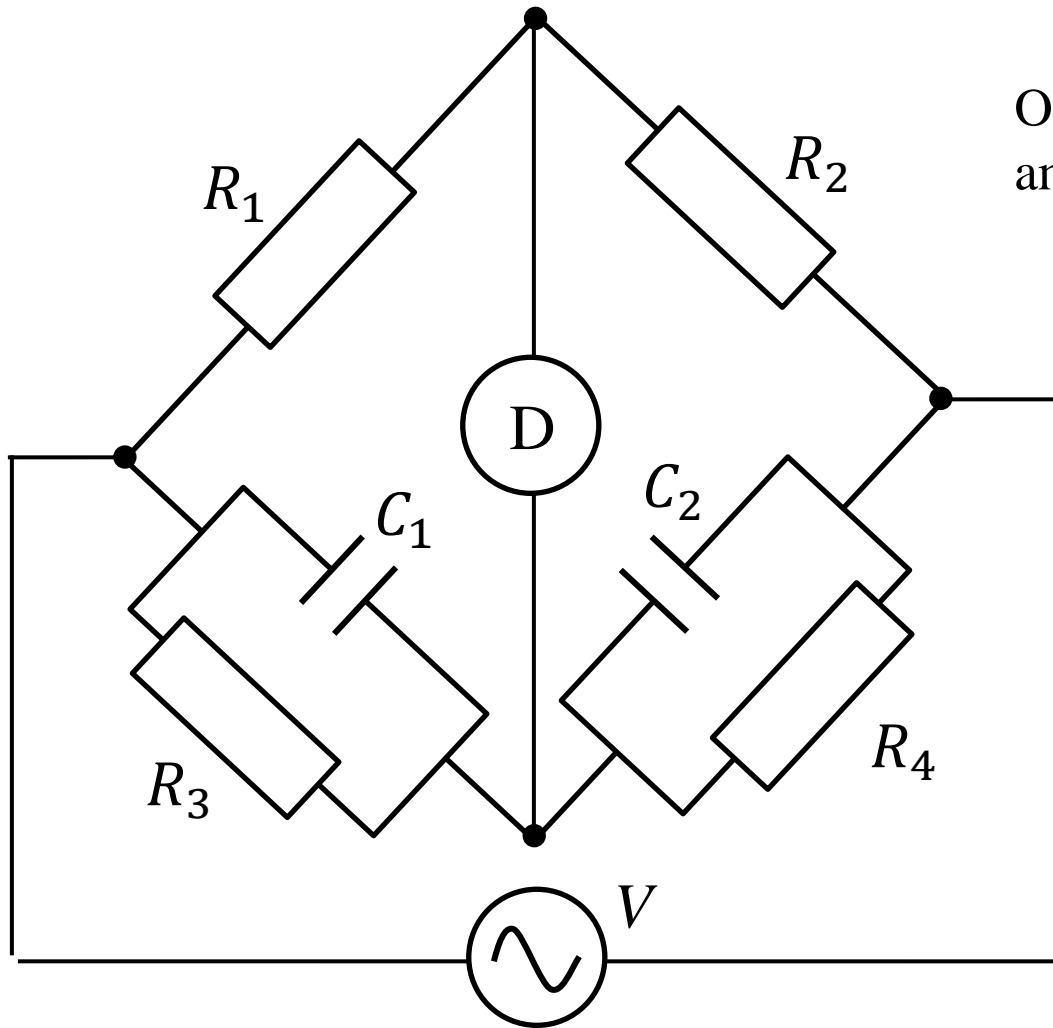
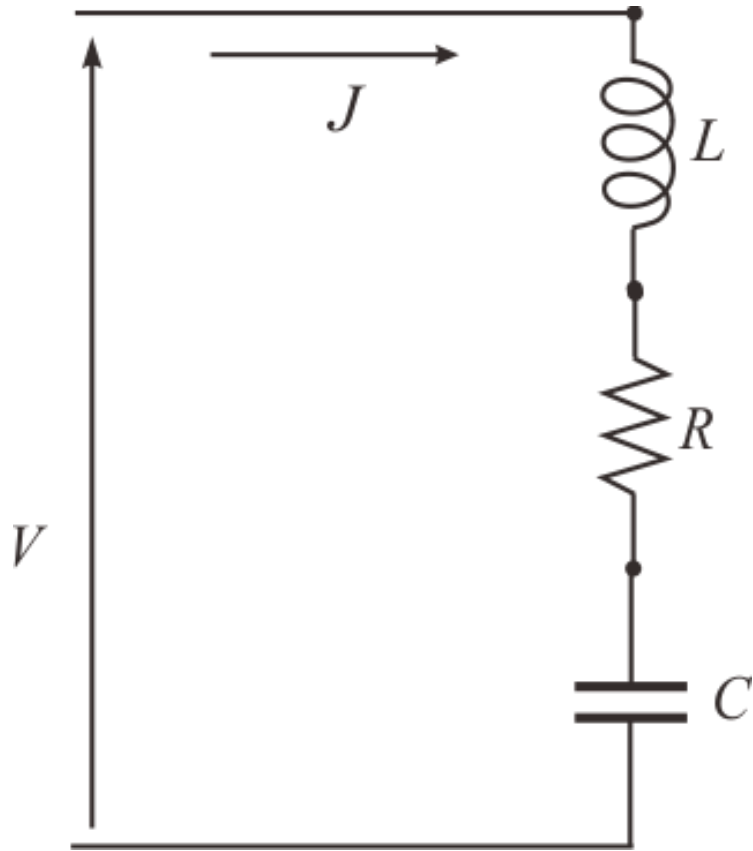


Exercise 3-1



Obtain the condition for the
ampere meter D indicates zero.

Exercise 3-2



Voltage: $V(t) = V_0 H(t)$
 $H(t)$ is Heaviside function

is applied.

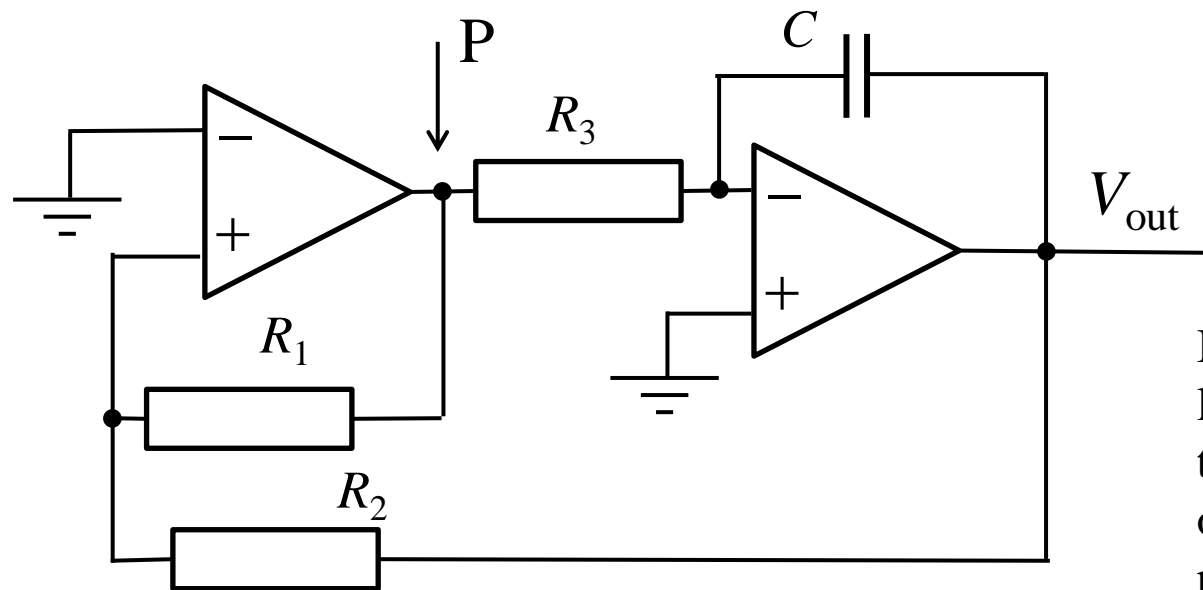
Obtain the current response for the following conditions.

(i) $(R/2L)^2 > 1/LC$

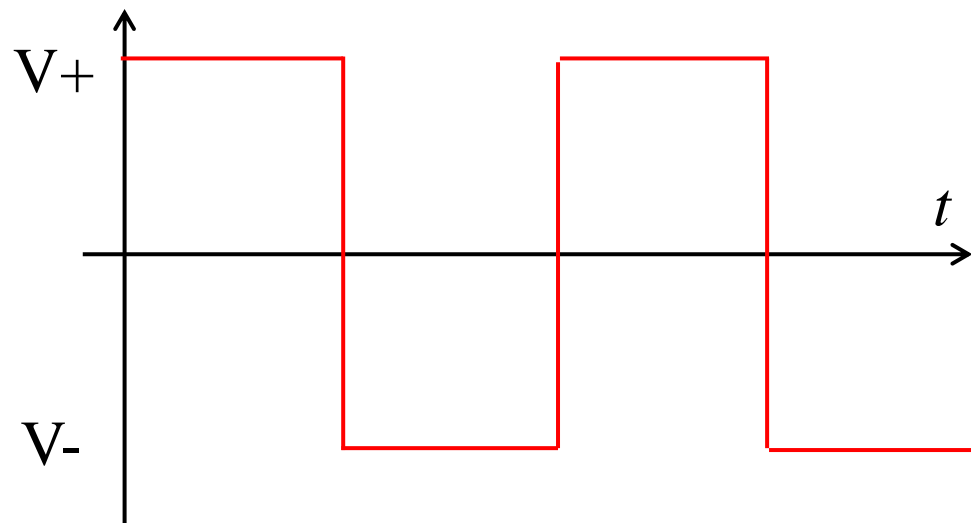
(ii) $(R/2L)^2 = 1/LC$

(iii) $(R/2L)^2 < 1/LC$

Exercise 3-3



In the circuit shown in the left, at point P, a waveform in the lower panel was observed. Here V_+ and V_- are power source voltages for + and - respectively.



Draw a rough sketch of the waveform for V_{out} .