PP Capacitors Inductors 003
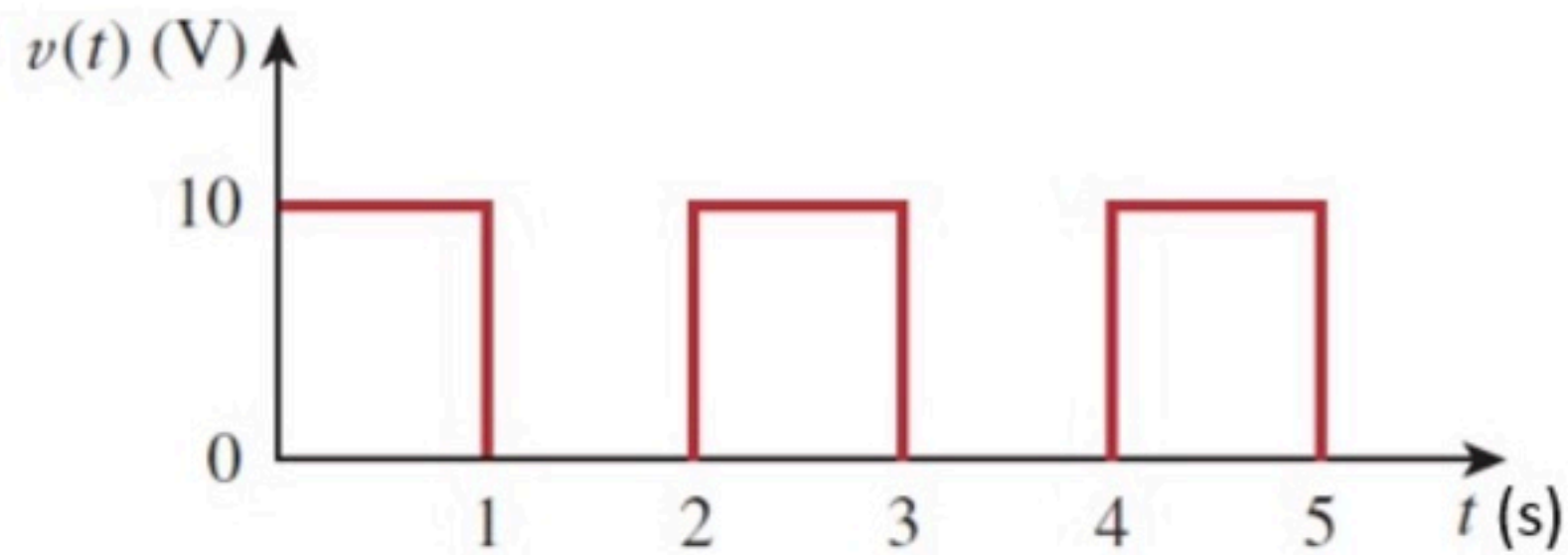
Below is the voltage across a 4 H inductor. The current through the inductor at time $t = 1$ s is -1 A.

What is the current i_1 through the inductor at time $t = 3$ s?

What is the current i_2 through the inductor at time $t = 4.5$ s?

Given Variables:

. : . .

Calculate the following:

i1 (A) :

1.5 ✓

i2 (A) :

2.75 ✓

Hint: Check initial condition.