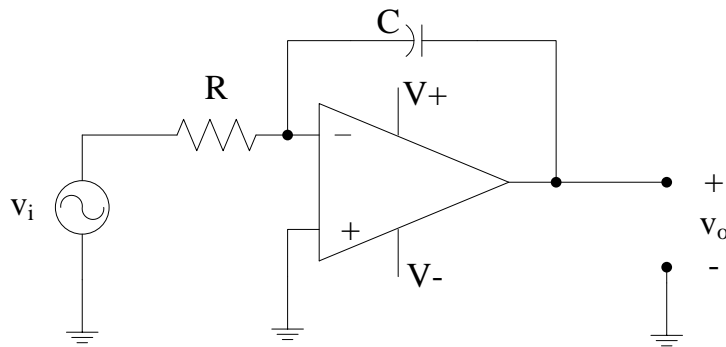


School of Information, Computer and Communication Technology
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Quiz 8 Sample

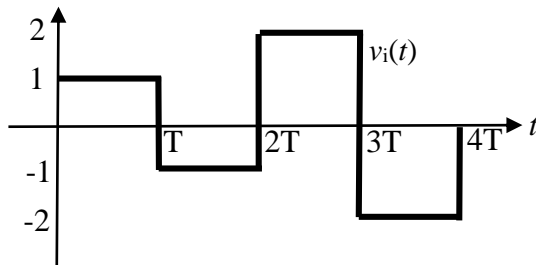
Rules: Closed book. Closed notes. No Calculator. Do not cheat. Do not panic.



- a) Fill in the blank: Theoretically, the output voltage of an inverting integrator shown above is given by

$$v_o(t) = v_o(0) + \boxed{}_0^t v_i(\tau) d\tau.$$

- b) Consider $v_i(t)$ plotted below. Its value changes every T seconds.



Suppose $v_o(0) = 0$ and $T = RC$. Plot $v_o(t)$