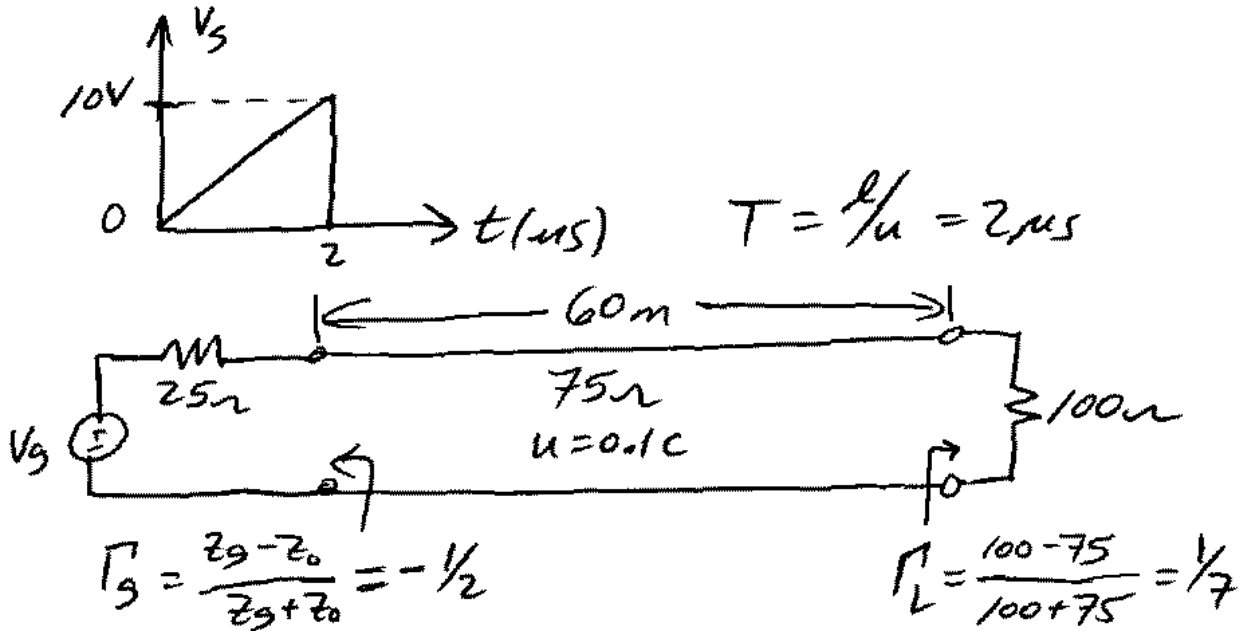


**PE 11.9** Repeat Example 11.9, replacing the rectangular pulse by the triangular pulse.

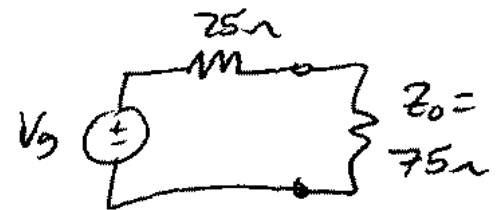
- **Ex. 11.9** A  $75 \Omega$  transmission line of length  $60 \text{ m}$  is terminated by  $100 \Omega$  load. <snip> Sketch  $I(0, t)$  and  $I(l, t)$  for  $0 < t < 15 \mu\text{s}$ .



$t < 2T$

$$V_{l, \text{max}}^+ = 10\text{V} \frac{75}{25 + 75} = 7.5\text{V}$$

$$I_{l, \text{max}}^+ = \frac{10\text{V}}{25 + 75 \Omega} = 0.1\text{A} = 100\text{mA}$$



Find  $I(0, t)$  and  $I(l, t)$  for  $0 < t < 15 \mu\text{s}$ .

