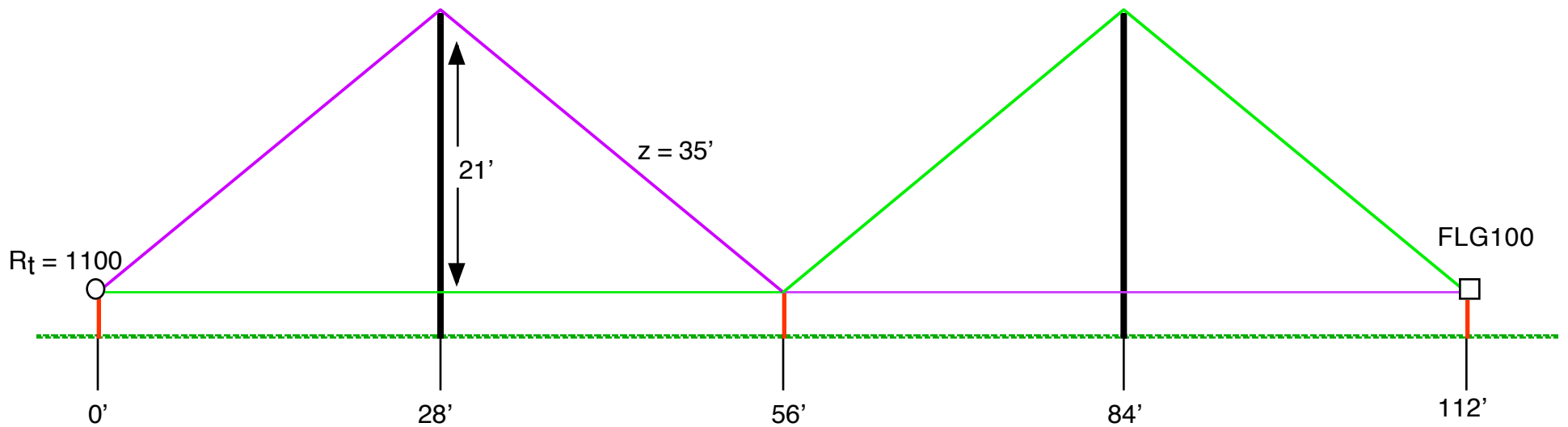


$$z = \sqrt{22^2 + 21^2} = \sqrt{484 + 441} = 30.4'$$

$$\text{each piece of wire} = 30.4 + 30.4 + 44 = 105'$$



$$z = \sqrt{28^2 + 21^2} = \sqrt{784 + 441} = 35'$$

$$\text{each piece of wire} = 35 + 35 + 56 = 126'$$