

$$z = 30.4'$$

FLG100

$R_t = 1100$

0'

22'

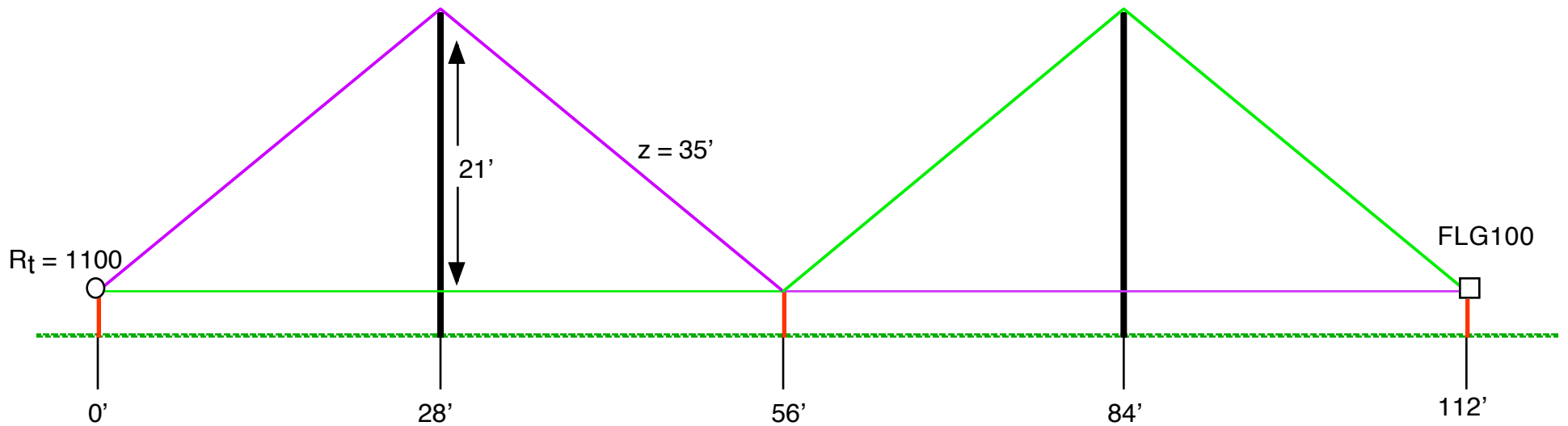
44'

66'

88'

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

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



$$z = 35'$$

FLG100

$R_t = 1100$

0'

28'

56'

84'

112'

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

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