

SPING = 1.1cm 27cm off 
$$V_{12} = \frac{X_2}{X_1} V_{11}$$
  
 $d_1 = (2.2 - .27) = 1.93$ 

$$X_2 = X_1 \left( \frac{d}{d_1} \right)$$
  $X_2 = \left( \frac{1}{100} \right) \left( \frac{2.2 \text{ m}}{1.93 \text{ m}} \right)$   $X_2 = \left( \frac{1}{100} \right) \left( \frac{2.2 \text{ m}}{1.93 \text{ m}} \right)$