

$$C + \frac{C}{1.1} + \frac{C}{(1.1)^2} + \frac{C}{(1.1)^3} + \dots + \frac{C}{(1.1)^9} = Y_0 + \frac{Y_1}{1.1} + \frac{Y_2}{(1.1)^2} + \frac{Y_3}{(1.1)^3} + \dots + \frac{Y_9}{(1.1)^9} = W_0$$

$$C + \frac{C}{1.1} + \frac{C}{(1.1)^2} + \frac{C}{(1.1)^3} + \dots + \frac{C}{(1.1)^9} = 480 + \frac{480}{1.1} + \frac{480-120}{(1.1)^2} + \frac{0}{(1.1)^3} + \frac{0}{(1.1)^4} + \frac{240}{(1.1)^5} + \dots + \frac{0}{(1.1)^9} = 1362.905$$

$$C = 201.420$$

16.785