



Unidad

3

Mi Universidad

Matemáticas Financieras

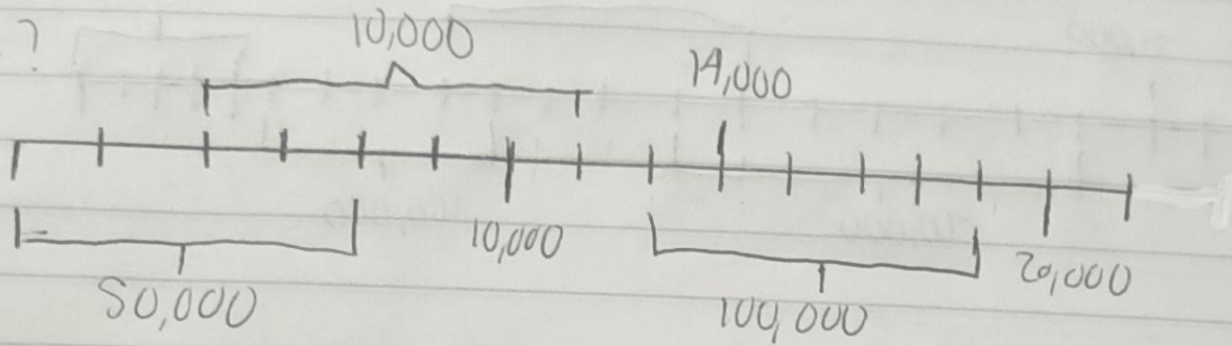
Reporte de práctica

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$$i = 3.1\%$$

F = ?



$$F_1 = 50,000 \left[\frac{(1 + 0.031)^5 - 1}{0.031} \right] (1 + 0.031)^{11} = 372140.85$$

$$F_1 = 10,000 (1 + 0.031)^9 = 13162.18$$

$$F_1 = 100,000 \left[\frac{(1 + 0.031)^6 - 1}{0.031} \right] (1 + 0.031)^2 = 689295.38$$

$$F_1 = 20,000 (1 + 0.031)^1 = 20,620$$

$$F_1 = 1,095,218.41$$

$$F_e = 10,000 \left[\frac{(1 + 0.031)^6 - 1}{0.031} \right] (1 + 0.031)^8 = 82786.08$$

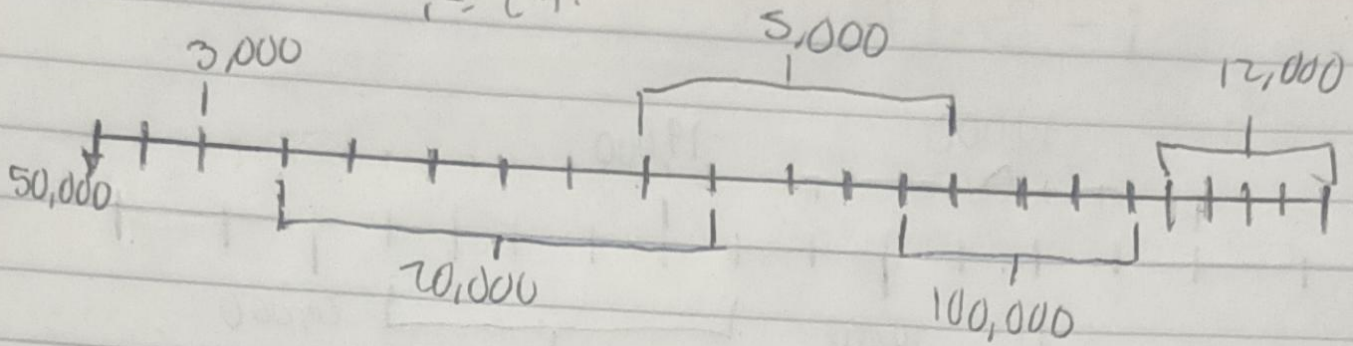
$$F = 14,000 (1 + 0.031)^6 = 16814.34$$

$$F_e = 99,600.42$$

$$F_T = 995,617.99$$

$P = ?$

$i = 2\%$



$$P_1 = 50,000$$

$$P_2 = 20,000$$

$$\left[\frac{1 - (1 + 0.02)^{-7}}{0.02} \right] \left(\frac{1}{(1 + 0.02)^2} \right) = 1,104,090.86$$

$$P_3 = 100,000$$

$$\left[\frac{1 - (1 + 0.02)^{-5}}{0.02} \right] \left(\frac{1}{(1 + 0.02)^{11}} \right) = 443,985.91$$

$$P_1 = 559,397.71$$

$$P_1 = 12,000$$

$$\left[\frac{1 - (1 + 0.02)^{-5}}{0.02} \right] \left(\frac{1}{(1 + 0.02)^{16}} \right) = 45,490.33$$

$$P_2 = 5,000$$

$$\left[\frac{1 - (1 + 0.02)^{-6}}{0.02} \right] \left(\frac{1}{(1 + 0.02)^7} \right) = 248,098.03$$

$$P_3 = 3,000$$

$$= 2883.50$$

$$\frac{1}{(1 + 0.02)^2}$$

$$P_2 = 293,471.86$$

$$P_T = 530,046.85$$