



Unidad 4

Mi Universidad

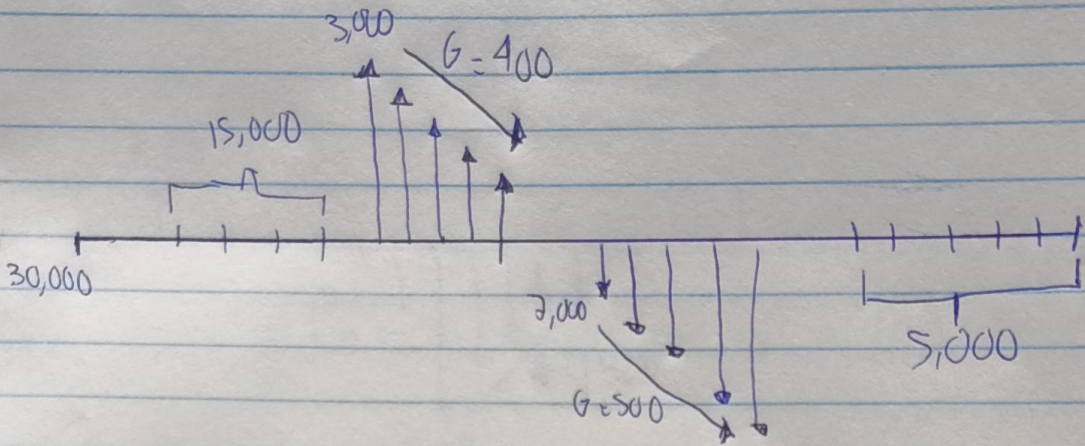
Matemáticas Financieras

Reporte de práctica

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Jorge Arturo Estrada Bonaz



$$P = 30,000$$

$$PTG = 7000 \left[\frac{1 - (1 + 0.03)^{-5}}{0.03} \right] + \frac{500}{0.03} \left[\frac{1 - (1 + 0.03)^{-5}}{0.03} - \frac{5}{(1 + 0.03)^5} \right] = 36502.33$$

$$PTG = \left(\frac{36502.33}{(1 + 0.03)^4} \right) = 27975.99$$

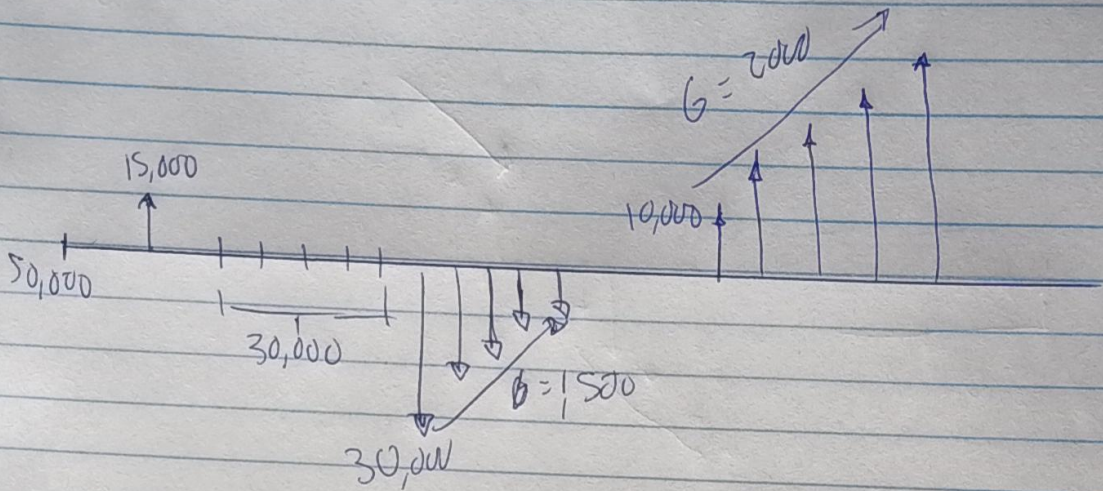
$$PTG = 5000 \left[\frac{1 - (1 + 0.03)^{-5}}{0.03} \right] \left(\frac{1}{(1 + 0.03)^4} \right) = \frac{17907.00}{75882.99}$$

$$P = 15,000 \left[\frac{1 - (1 + 0.03)^{-4}}{0.03} \right] = 55756.47$$

$$PTG = 3000 \left[\frac{1 - (1 + 0.03)^{-5}}{0.03} \right] - \frac{400}{0.03} \left[\frac{1 - (1 + 0.03)^{-5}}{0.03} - \frac{5}{(1 + 0.03)^5} \right]$$

$$PTG = \left(\frac{10193.61}{(1 + 0.03)^4} \right) = \frac{9048.00}{64804.47}$$

$$\text{Resultado Final} = 140697.46$$



$$P = 50,000 \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} \right] \left(\frac{1}{(1 + 0.023)^6} \right) = 137029.24$$

$$PTG = 30,000 \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} \right] - \frac{1500}{0.023} \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} - \frac{5}{(1 + 0.023)^5} \right]$$

$$= 126481.51$$

$$PTG = \left(\frac{126481.51}{(1 + 0.023)^6} \right) = \frac{110350.22}{297379.46}$$

$$PTG = 10,000 \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} \right] + \frac{2000}{0.023} \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} - \frac{5}{(1 + 0.023)^5} \right]$$

$$= 64992.83$$

$$PTG = \left(\frac{64992.83}{(1 + 0.023)^6} \right) = 50609.66$$

Resultado Final

$$P = 1500 = \frac{14667.75}{(1 + 0.023)^6} = \frac{14667.75}{65272.41}$$

$$= 232107.05$$