



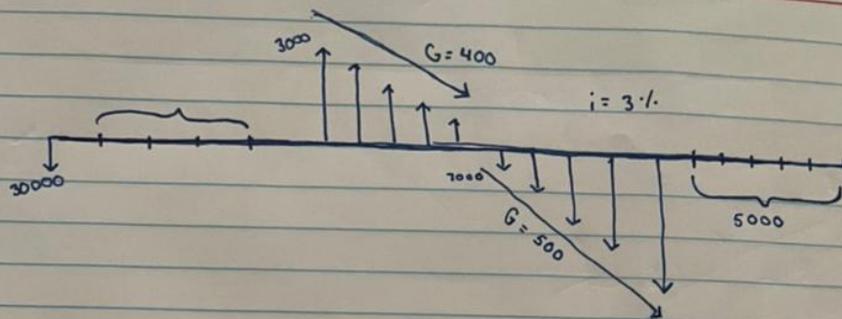
**NOMBRE DEL MAESTRO: JORGE ENRIQUE ALBORES
AGUILAR**

NOMBRE DEL ALUMNO: XIMENA VELASCO GARCIA

ASIGNATURA: MATEMATICAS FINANCIERAS

TRABAJO: EJERCICIOS

ADMINISTRACION Y ESTRATEGIA DE NEGOCIOS



$$P = 30000$$

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

$$PTG \left(\frac{1}{(1 + 0.03)^9} \right) = 27975.99$$

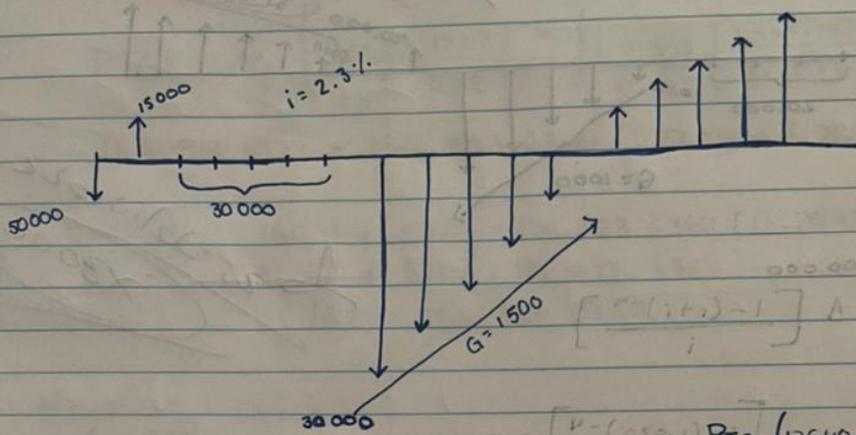
$$P = 5000 \left[\frac{1 - (1 + 0.03)^6}{0.03} \right] \left(\frac{1}{(1 + 0.03)^{14}} \right) = \frac{17907.00}{75882.99}$$

$$P = 15000 \left[\frac{1 - (1 + 0.03)^{-4}}{0.03} \right] = 55756.47$$

$$PTG = 3000 \left[\frac{1 - (1 + 0.03)^{-5}}{0.03} \right] - \frac{400}{0.03} \left[\frac{1 - (1 + 0.03)^{-5} - 5}{(1 + 0.03)^5} \right] = -10183.61$$

$$PTG \left(\frac{10183.61}{(1 + 0.03)^4} \right) = \frac{9048.60}{64804.47}$$

$$T = 140687.46$$



$$P = 50,000$$

$$P = 30,000 \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} \right] \left(\frac{1}{(1 + 0.023)^1} \right) = 13,7029.24$$

$$PTG = 30,000 \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} \right] - 15,000 \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} - \frac{5}{(1 + 0.023)^5} \right]$$

$$PTG = 126,481.51$$

$$PTG = 10,000 \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} \right] + \frac{2,000}{0.023} = \left[\frac{1 - (1 + 0.023)^{-5}}{0.023} - 5 \right] = 64,992.83$$

$$PTG = \left(\frac{1}{(1 + 0.023)^5} \right) = 50,609.66$$

$$P = 15,000 = 14,662.75$$

$$T = 232,107.05$$

$$(1 + 0.023)^5 = 65,272.41$$