



Nombre de alumno: **Emanuel de Jesús Samayoa Hernández.**

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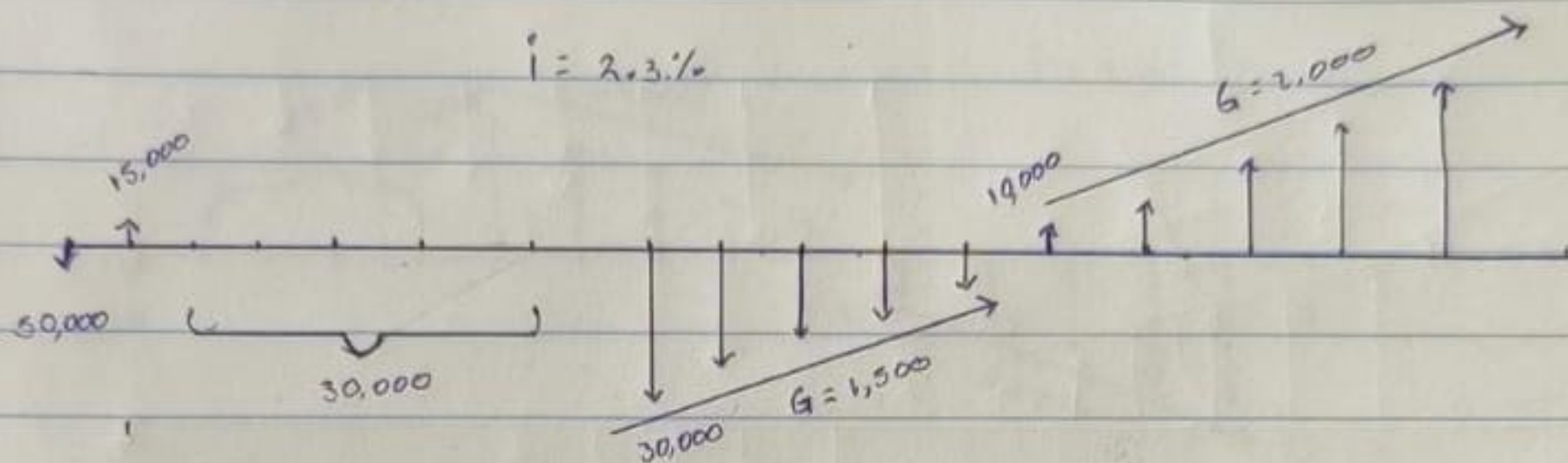
Nombre del trabajo: **U4. T1**

Materia: **Matemáticas Financieras**

Grado: **3er cuatrimestre.**

Grupo: **A**

Comitán de Domínguez Chiapas a 31 de julio de 2022



$$P = \$50,000$$

$$P = 30,000 \left[\frac{1 - (1.023)^{-5}}{0.023} \right] \left(\frac{1}{(1.023)^1} \right) = \$137,029.24$$

$$PTG = 30,000 \left[\frac{1 - (1.023)^{-5}}{0.023} \right] - \frac{1,500}{0.023} \left[\frac{1 - (1.023)^{-5}}{0.023} - \frac{5}{(1.023)^5} \right] = \$126,481.51$$

$$PTG = \frac{126,481.51}{(1.023)^6} = \$110,350.22$$

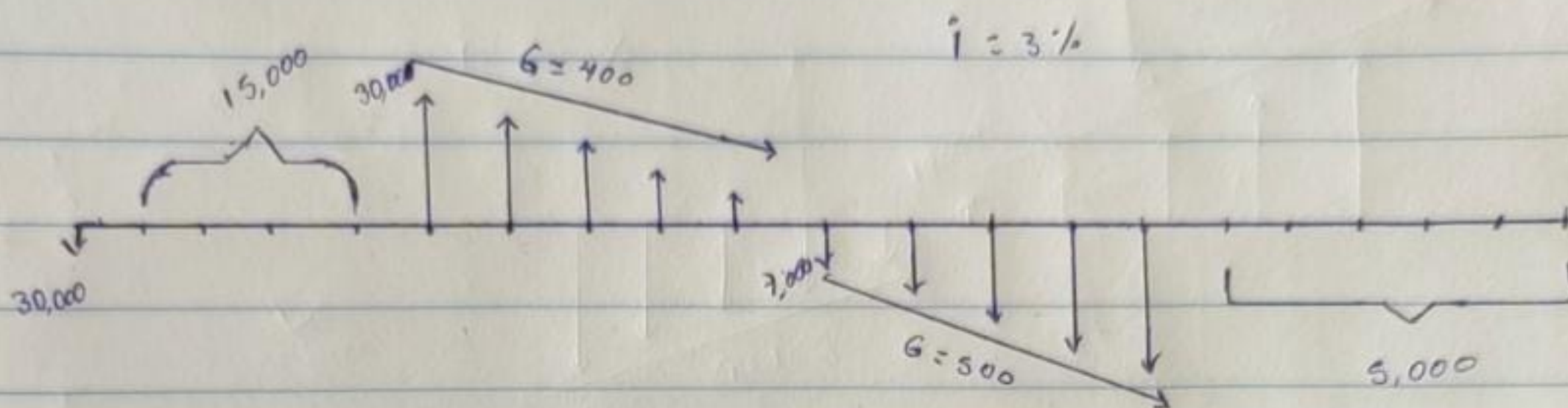
$$P = \frac{15,000}{(1.023)^1} = \$14,662.75$$

$$PTG = 10,000 \left[\frac{1 - (1.023)^{-5}}{0.023} \right] + \frac{2,000}{0.023} \left[\frac{1 - (1.023)^{-5}}{0.023} - \frac{5}{(1.023)^5} \right] = 64,992.83$$

$$PTG = \frac{64,992.83}{(1.023)^{11}} = \$50,609.66$$

$$P. \text{ Ingresos} = \$297,374.46 \quad - \quad P. \text{ Egresos} = 65,272.41$$

$$P. \text{ Total} = \$232,107.05$$



$$P = \$30,000$$

$$PTG = 7,000 \left[\frac{1 - (1.030)^{-5}}{0.030} \right] + \frac{500}{0.030} \left[\frac{1 - (1.030)^{-5}}{0.030} - \frac{5}{(1.030)^5} \right] = 36,502.33$$

$$PTG = \left(\frac{36,502.33}{(1.030)^4} \right) = \$27,475.99$$

$$P = 5,000 \left[\frac{1 - (1.030)^{-6}}{0.030} \right] \left(\frac{1}{(1.030)^{14}} \right) = \$17,907.0086$$

$$P = 15,000 \left[\frac{1 - (1.030)^{-4}}{0.030} \right] = \$55,756.47$$

$$PTG = 30,000 \left[\frac{1 - (1.030)^{-5}}{0.030} \right] - \frac{400}{0.030} \left[\frac{1 - (1.030)^{-5}}{0.030} - \frac{5}{(1.030)^5} \right]$$

$$PTG = 13,739.12 - 13,333.33 (4.5747 - 4.3130)$$

$$PTG = 13,383.52$$

$$PTG = \left(\frac{13,383.52}{(1.030)^4} \right) = \$11,892.58$$

$$P. \text{ Ingresos} = \$75,887.44 - \text{---} 64,804.47$$

$$P. \text{ Total} = 11,078.52$$