



Mi Universidad

Tema: Anualidades

Asignatura: matemáticas financieras

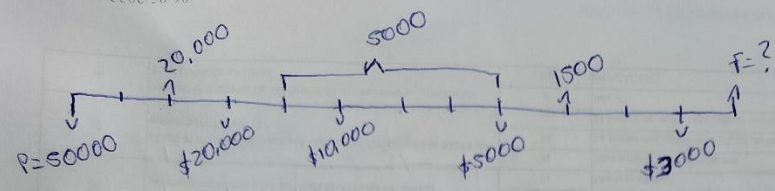
Profesor: Jorque Enrique Albores Aguilar

Licenciatura: Administración y Estrategia de Negocios

Actividad: ejercicios

Tercer Cuatrimestre

Fecha: 12 de junio de 2022



$i = 3,5\% = 0.035\%$

$P_1 = 50000$

$P_2 = \frac{20000}{(1+0.035)^3} = 18,038.85$

$P_3 = \frac{10,000}{(1+0.035)^5} = 8,419.73$

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$P_4 = \frac{5000}{(1+0.035)^8} = 3,797.05$

$P_5 = \frac{3000}{(1+0.035)^{11}} = 2,054.83$

$P_{Te} = 82,310.46$

$P_1 = \frac{20,000}{(1+0.035)^2} = 18,670.21$

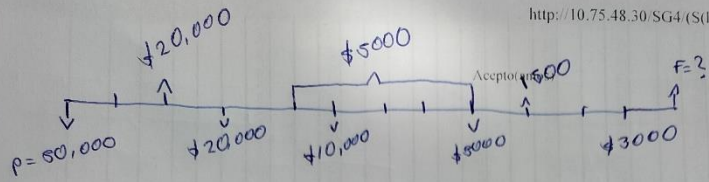
$P_2 = 5000 \left[ \frac{1 - (1+0.035)^{-5}}{0.035} \right] \left[ \frac{1}{(1+0.035)^3} \right] = 20,361.59$

$P_3 = \frac{1500}{(1+0.035)^9} = 1,100.59$

$P_T = 82,310.46 - 40,132.39 = 42,178.07$

$P_{Ti} = 40,132.39$

Administración  
 http://10.75.48.30/SG4/(S1e50f3zsr1fas45a3nkW555) Administracion  
 % mensual pagadero en esta ciudad juntamente con el principal, este pagare es  
 satisfactorio, este pagare, causara intereses moratorios al tipo de  
 mercantil y esta regido por la ley general de titulos y operaciones de credito en su articulo 172 por no ser domerado.  
 (señoramos)



$$i = 3.5\% = 0.035$$

$$F_1 = 50,000 (1 + 0.035)^{12} = 75,553.93$$

$$F_2 = 20,000 (1 + 0.035)^9 = 27,257.94$$

$$F_3 = 10,000 (1 + 0.035)^7 = 12,722.79$$

$$F_4 = 5,000 (1 + 0.035)^4 = 5,737.61$$

$$F_5 = 3,000 (1 + 0.035)^1 = 3,105.0$$

$$F_{Te} = 124,376.77$$

$$F_1 = 20,000 (1 + 0.035)^{10} = 28,211.97$$

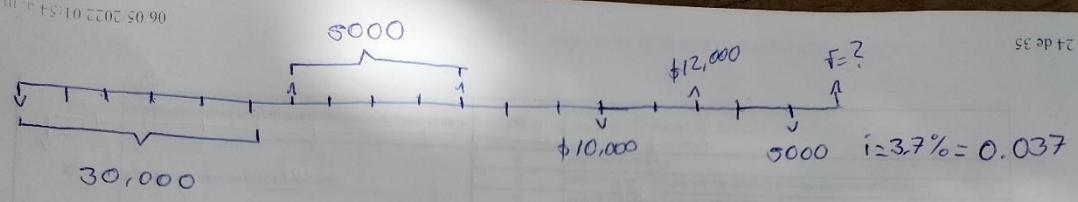
$$F_2 = 5000 \left[ \frac{(1 + 0.035)^5 - 1}{0.035} \right] \left[ (1 + 0.035)^4 \right] = 30,767.76$$

$$F_3 = 1500 (1 + 0.035)^3 = 1663.07$$

$$F_{Ti} = 60,642.8$$

$$F_T = 124,376.77 - 60,642.8 = 63,733.97$$

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$$F_1 = 30,000 \left[ \frac{(1+0.037)^6 - 1}{0.037} \right] \left[ (1+0.037)^3 \right] = 316,722.49$$

$$F_2 = 10,000 (1+0.037)^9 = 11,992.05$$

$$F_3 = 5000 (1+0.037)^1 = 5,185$$

$$F_{Te} = 333,899.54$$

$$F_1 = 5000 \left[ \frac{(1+0.037)^8 - 1}{0.037} \right] \left[ (1+0.037)^8 \right] = 35,999.84$$

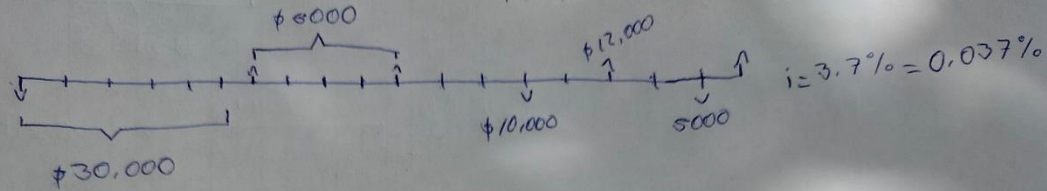
$$F_2 = 12,000 (1+0.037)^3 = 13,381.89$$

$$F_{Ti} = 49,381.73$$

$$F_T = 333,899.54 - 49,381.73 = 284,517.81$$

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satisfacción, este pagaré causará intereses moratorios al tipo de % mensual pagadero en esta ciudad juntamente con el principal, este pagaré es mercantil y está regido por la ley general de títulos y operaciones de crédito en su Artículo 172 por no ser domiciliado. Aceptamos)



$$P_1 = 30,000$$

$$P_2 = 30,000 \left[ \frac{1 - (1 + 0.037)^{-20}}{0.037} \right] \left[ \frac{1}{(1 + 0.037)^0} \right] = 129,882.11$$

$$P_3 = \frac{10,000}{(1 + 0.037)^{10}} = 6,235.57$$

$$P_4 = \frac{5000}{(1 + 0.037)^{17}} = 2,696.06$$

$$PTE = 168,813.74$$

$$P_1 = 5000 \left[ \frac{1 - (1 + 0.037)^{-5}}{0.037} \right] \left[ \frac{1}{(1 + 0.037)^5} \right] = 18,719.01$$

$$P_2 = \frac{12,000}{(1 + 0.037)^{15}} = 6,958.24$$

$$FTI = 25,677.25$$

$$PT = 168,813.74 - 25,677.25 = 143,136.49$$

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