



**Unidad 2**

**Mi Universidad**

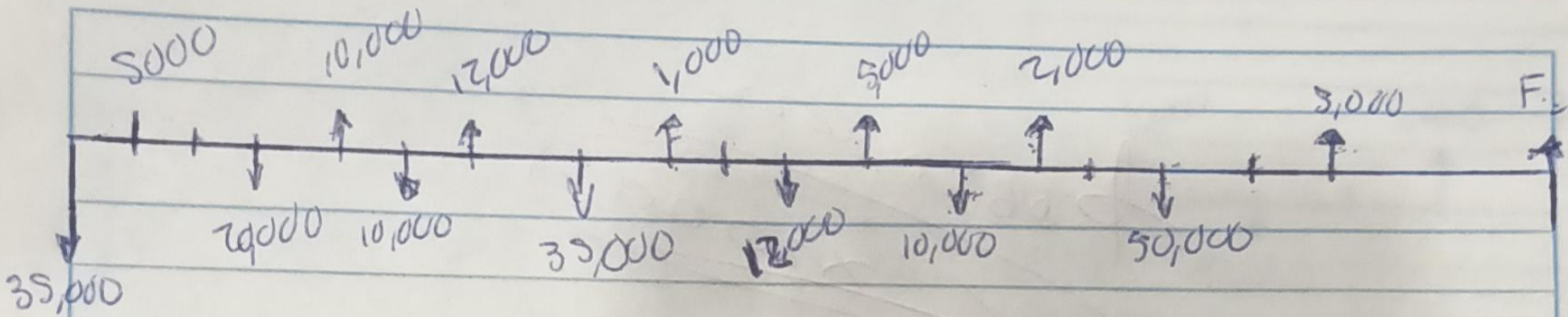
**Matemáticas Financieras**

Reporte de práctica

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*PROFESOR: JORGE ENRIQUE ALBORES AGUILAR*

$$i = 3.3\%$$



$$F1 = 35,000 (1 + 0.033)^{18} = 62,787.59$$

$$F2 = 20,000 (1 + 0.033)^{15} = 32,548.78$$

$$F3 = 10,000 (1 + 0.033)^{13} = 15,251.20$$

$$F4 = 35,000 (1 + 0.033)^{11} = 50,023.21$$

$$F5 = 12,000 (1 + 0.033)^8 = 15,589.07$$

$$F6 = 10,000 (1 + 0.033)^6 = 12,150.71$$

$$F7 = 50,000 (1 + 0.033)^3 = 55,115.14$$

$$\text{Futuro del ingreso} = 243,435.7$$

$$\bar{F}1 = 5,000 (1 + 0.033)^{17} = 8,683.11$$

$$\bar{F}2 = 10,000 (1 + 0.033)^{14} = 15,754.49$$

$$F3 = 12,000 (1 + 0.033)^{12} = 17,716.79$$

$$F4 = 1,000 (1 + 0.033)^{10} = 1,383.57$$

$$F5 = 5,000 (1 + 0.033)^7 = 6,275.84$$

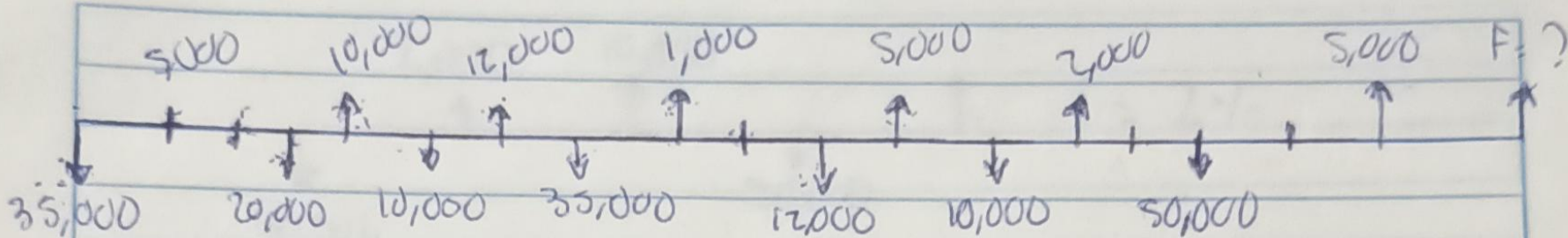
$$F6 = 2,000 (1 + 0.033)^5 = 2,352.51$$

$$F7 = 5,000 (1 + 0.033)^1 = 5,165$$

$$\text{Futuro del egreso} = 57,331.31$$

$$\text{Futuro total} = 186,104.39$$

$$i = 3.3\%$$



$$P_1 = 35,000$$

$$P_2 = 20,000 \times (1 + 0.033)^3 = 18,143.83$$

$$P_3 = 10,000 \times (1 + 0.033)^5 = 8,501.55$$

$$P_4 = 35,000 \times (1 + 0.033)^7 = 27,884.68$$

$$P_5 = 12,000 \times (1 + 0.033)^{10} = 8,673.17$$

$$P_6 = 10,000 \times (1 + 0.033)^{12} = 6,773.23$$

$$P_7 = 50,000 \times (1 + 0.033)^{15} = 30,723.11$$

$$\text{Presente ingresos} = 100,699.57$$

$$P_1 = 5,000 \times (1 + 0.033)^1 = 4,840.27$$

$$P_2 = 10,000 \times (1 + 0.033)^4 = 8,782.10$$

$$P_3 = 12,000 \times (1 + 0.033)^6 = 9,875.95$$

$$P_4 = 1,000 \times (1 + 0.033)^8 = 771.25$$

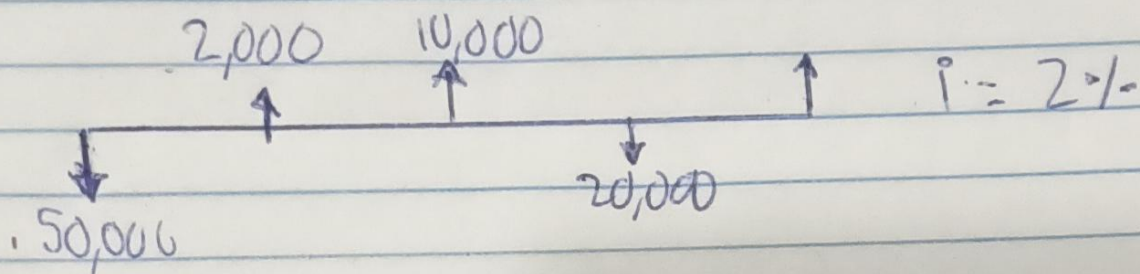
$$P_5 = 5,000 \times (1 + 0.033)^{11} = 3,478.37$$

$$P_6 = 2,000 \times (1 + 0.033)^{13} = 1,311.37$$

$$P_7 = 5,000 \times (1 + 0.033)^{17} = 2,879.15$$

$$\text{Presente egresos} = 31,938.46$$

$$PT = \$ 68,741.11$$



$$F_1 = 50,000 (1 + 0.02)^4 = 54,121.60$$

$$F_2 = 20,000 (1 + 0.02)^1 = 20,400$$

$$\text{Futuro de ingreso} = 74,521.6$$

$$F_1: 2,000 (1 + 0.02)^3 = 2,122.41$$

$$F_2: 10,000 (1 + 0.02)^2 = 10,404$$

$$\text{Futuro egreso} = 12,526.41$$

$$\text{Futuro total} = 61,995.19$$

$$P_1 = 50,000$$

$$P_2 = 20,000 \div (1 + 0.02)^3 = 18,846.44$$

$$\text{Presente ingreso} = 68,846.44$$

$$P_1 = 2,000 \div (1 + 0.02)^1 = 1,960.78$$

$$P_2 = 10,000 \div (1 + 0.02)^2 = 9,611.68$$

$$\text{Presente egreso} = 11,572.46$$

$$\text{Presente total} = 57,273.98$$

Jorge Arturo Estrada Bermaz