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

**Nombre del profesor:** Ing. Jorge Enrique Albores

**Nombre del trabajo:** U2. T1

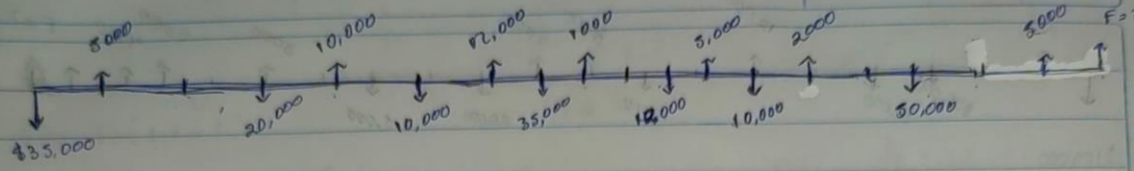
**Materia:** Matemáticas Financieras

**Grado:** 3er cuatrimestre.

**Grupo:** A

Comitán de Domínguez Chiapas a 12 de junio de 2022

3.3 %




$P_i = \$35,000$

$P_{i2} = \frac{20,000}{(1.033)^3} = 18,143.83$

$P_{i3} = \frac{10,000}{0.033^5} = 8,501.55$

$P_{i4} = \frac{35,000}{(1.033)^7} = 27,884.68$

$P_{i5} = \frac{12,000}{(1.033)^{10}} = 8,673.17$

$P_{i6} = \frac{10,000}{(1.033)^{12}} = 6,773.23$

$P_{i7} = \frac{50,000}{(1.033)^{15}} = 30,723.11$

$P_{iT} = 100,699.57$

$P_{eT} = 31,958.46$

$P_{e.} = \frac{5000}{(1.033)^1} = 4,840.27$

$P_{e2} = \frac{10,000}{(1.033)^4} = 8,782.10$

$P_{e3} = \frac{12,000}{(1.033)^6} = 9,875.95$

$P_{e4} = \frac{1000}{(1.033)^8} = 771.25$

$P_{e5} = \frac{5000}{(1.033)^{11}} = 3,498.37$

$P_{e6} = \frac{2000}{(1.033)^{13}} = 1,311.37$

$P_{e7} = \frac{5,000}{(1.033)^{17}} = 2,879.15$

$PT = \$68,741.11$

$F = 35,000(1.033)^{18} = 62,787.54$

$F = 20,000(1.033)^{15} = 32,548.78$

$F = 10,000(1.033)^{13} = 15,251.20$

$F = 35,000(1.033)^{11} = 50,073.21$

$F = 12,000(1.033)^{8} = 15,559.07$

$F = 10,000(1.033)^{6} = 12,150.71$

$F = 50,000(1.033)^{3} = 55,115.14$

$F_i = 243,435.65$

$F_e = 57,331.31$

$F_e = 5,000(1.033)^{17} = 8,683.11$

$F_e = 10,000(1.033)^{14} = 15,754.49$

$F_e = 12,000(1.033)^{12} = 17,716.74$

$F_e = 1000(1.033)^{10} = 1,383.57$

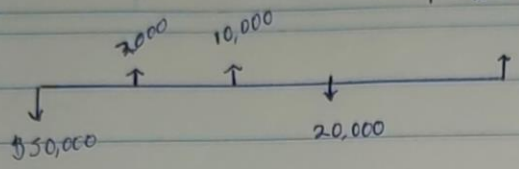
$F_e = 5000(1.033)^{7} = 6,275.84$

$F_e = 2,000(1.033)^{5} = 2,332.51$

$F_e = 5,000(1.033)^{1} = 5,165.$

F. Total = 186,104.34

i = 2%




$P_i = \$50,000$

$P_{i2} = \frac{\$20,000}{(1.020)^3} = 18,846.44$

$P_{i4} = \$68,846.44$

$P_e = \frac{2000}{1.020} = 1,960.78$

$P_{e2} = \frac{10,000}{(1.020)^2} = 9,611.68.$

$P_{eT} = \$11,572.46$

P. Total. $= \$57,273.98$

$F_i = 50,000(1.020)^4 = \$54,121.60$

$F_i = 20,000(1.020)^1 = \$20,400.00$

$F_{iT} = \$74,521.60$

$F_e = 2.000(1.020)^3 = \$2,122.41$

$F_e = 10,000(1.020)^2 = \$10,404$

$F_{eT} = \$12,526.41$

F. Total $= \$61,995.19$