



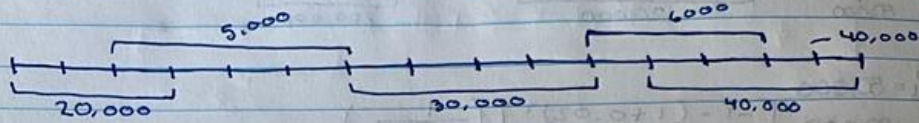
**NOMBRE DEL ALUMNO: XIMENA VELASCO
GARCIA**

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

MATERIA: MATEMATICAS FINANCIERAS

TRABAJO: EJERCICIOS

**ADMINISTRACION Y ESTRATEGIA DE
NEGOCIOS**



$$P_{i1} = 20,000 \left[\frac{1 - (1.022)^{-3}}{0.022} \right]$$

$$P_{i1} = 57,453.70$$

$$P_{i2} = 20,000$$

$$P_{i3} = 30,000 \left[\frac{1 - (1.022)^{-5}}{0.022} \right] \left(\frac{1}{(1.022)^5} \right) = 126,092.63$$

$$P_{i4} = 40,000 \left[\frac{1 - (1.022)^{-5}}{0.022} \right] \left(\frac{1}{(1.022)^6} \right) = 150,790.50$$

$$P_{e1} = 5,000 \left[\frac{1 - (1.022)^{-5}}{0.022} \right] \left(\frac{1}{(1.022)^4} \right) = 22,926.72$$

$$P_{e2} = \frac{8,000}{(1.022)^3} = 6,721.75$$

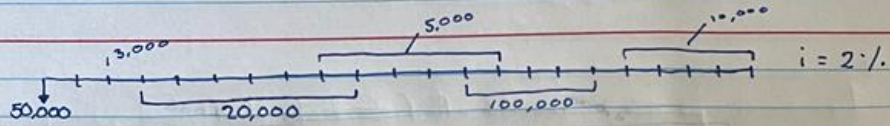
$$P_{e3} = 5,000 \left[\frac{1 - (1.022)^{-4}}{0.022} \right] \left(\frac{1}{(1.022)^4} \right) = 15,576.62$$

$$P_{e4} = \frac{4,000}{(1.022)^4} = 2,949.49$$

$$P_{it} = 354,336.83$$

$$P_{eT} = 48,174.58$$

$$P_{Tot} = 306,162.25$$



$$P_1 = 50,000$$

$$P_2 = 20,000 \left[\frac{-1 - (1 + 0.02)^7}{0.02} \right] \left(\frac{1}{(1 + 0.02)^7} \right) = 1,104,080.82$$

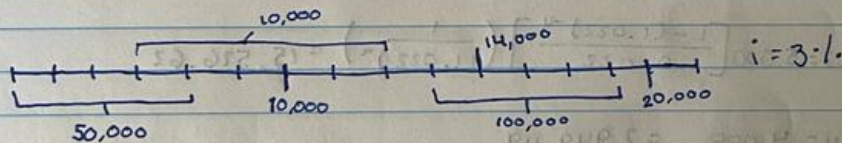
$$P_3 = 100,000 \left[\frac{-1 - (1 + 0.02)^5}{0.02} \right] \left(\frac{1}{(1 + 0.02)^{11}} \right) = 4,439,866.91$$

$$P_4 = 5593937.71$$

$$P_1 = 12,000 \left[\frac{1 - (1 + 0.02)^5}{0.02} \right] \left(\frac{1}{(1 + 0.02)^{11}} \right) = 45,490.33$$

$$P_2 = 5,000 \left[\frac{1 - (1 + 0.02)^6}{0.02} \right] \left(\frac{1}{(1 + 0.02)^7} \right) = 245,098.03$$

$$P_3 = \frac{3000}{(1 + 0.02)} = 2883.50 \quad P_e = 293,471.86 \quad P_T = 5300465.85$$



$$F_1 = 50,000 \left[\frac{(1 + 0.03)^5 - 1}{0.031} \right] (1 + 0.031)^{11} = 372140.85$$

$$F_1 = 10,000 (1 + 0.031)^9 = 13162.18$$

$$F_1 = 100,000 \left[\frac{(1 + 0.031)^6 - 1}{0.031} \right] (1 + 0.031)^2 = 689295.38$$

$$F_1 = 20,000 (1 + 0.031)^{11} = 20,620$$

$$F_1 = 1,095,218.41$$

$$F_e = 10,000 \left[\frac{(1 + 0.03)^6 - 1}{0.031} \right] (1 + 0.031)^8 = 82,786.08$$

$$F = 14,000 (1 + 0.031)^6 = 16814.34 \quad T_e = 99,600.42$$

$$F_T = 995,617.99$$