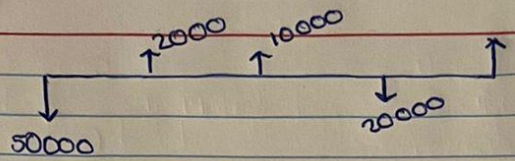
NOMBRE DEL MAESTRO: JORGE ENRIQUE ALBORES AGUILAR

NOMBRE DEL ALUMNO: XIMENA VELASCO GARCIA

MATERIA: MATEMATICAS FINANCIERAS

ADMINISTRACION Y ESTRATEGIA DE NEGOCIOS



$F_1 = 50000\ (1+0.02)^4 = 54121.60$

$F_2 = 20000\ (1+0.02)^1 = 20400$

$74521.6 - 12526.41 = 61995.19$

$F_1 = 2000(1+0.02)^3 = 2122.41$

$F_2 = 10000\ (1+0.02)^2 = 1044$

12526.41

$P_1 = 50000$

$P_2 = 20000 \div (1.0.02)^3 = 18846.44$

$68846.44 - 11572.46 = 57273.98$

$P_1 = 2000 \div (1+0.02)^1 = 1960.78$

$P_2 = 10000 \div (1+0.02)^2 = 9611.68$

11572.46

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$P_i 1 = \$35{,}000$

$P_i 2 = \frac{20{,}000}{(1.033)^3} = 18{,}143.83$

$P_i 3 = \frac{10{,}000}{(1.033)^5} = 8{,}501.55$

$P_i 4 = \frac{35{,}000}{(1.033)^7} = 27{,}884.68$

$P_i 5 = \frac{12{,}000}{(1.033)^{10}} = 8{,}673.17$

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

$P_i 7 = \frac{50{,}000}{(1.033)^{15}} = 30{,}723.11$

$P_i T = 100{,}699.57$

$P_e T = 31{,}958.46$

$P_e = \frac{5{,}000}{(1.033)^1} = 4{,}840.27$

$P_e 2 = \frac{10{,}000}{(1.033)^4} = 8{,}782.10$

$P_e 3 = \frac{12{,}000}{(1.033)^6} = 9{,}875.95$

$P_e 4 = \frac{1000}{(1.033)^8} = 771.25$

$P_e 5 = \frac{5000}{(1.033)^{11}} = 3{,}498.37$

$P_e 6 = \frac{2000}{(1.033)^{13}} = 1{,}311.37$

$P_e 7 = \frac{5{,}000}{(1.033)^{17}} = 2{,}877.15$

$P_T = \$68{,}741.11$

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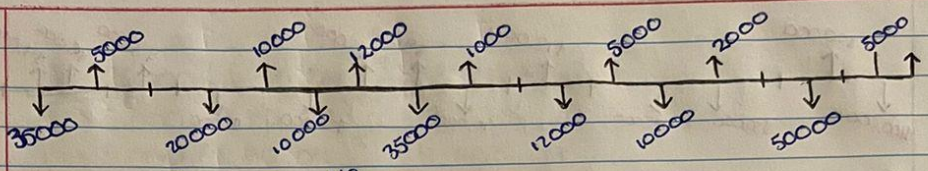

$F_1 = 35{,}000\ (1 + 0.033)^{18} = 62{,}787.59$
$F_2 = 20{,}000\ (1 + 0.033)^{15} = 32{,}548.78$
$F_3 = 10{,}000\ (1 + 0.033)^{13} = 15{,}251.20$
$F_4 = 35{,}000\ (1 + 0.033)^{11} = 50{,}023.21$
$F_5 = 12{,}000\ (1 + 0.033)^{8} = 15{,}559.07$
$F_6 = 10{,}000\ (1 + 0.033)^{6} = 12{,}150.71$
$F_7 = 50{,}000\ (1 + 0.033)^{3} = 55{,}115.14$

Futuro del ingreso = 243,435.7

$Fe = 5{,}000\ (1.033)^{17} = 8{,}683.11$
$Fe = 10{,}000\ (1.033)^{14} = 15{,}754.49$
$Fe = 12{,}000\ (1.033)^{12} = 17{,}716.74$
$Fe = 1000\ (1.033)^{10} = 1{,}383.57$
$Fe = 5{,}000\ (1.033)^{7} = 6{,}275.84$
$Fe = 2{,}000\ (1.033)^{5} = 2{,}352.51$
$Fe = 5{,}000\ (1.033)^{1} = 5{,}165$

$Fi = 243{,}435.65$
$Fe = 57{,}331.31$

F. Total = 186,104.34

Ximena Velasco Garcia

MBAK