UNIVERSIDAD DEL SURESTE

LICENCIATURA EN ADMINISTRACIÓN Y ESTRATEGIAS DE NEGOCIOS

TERCER CUATRIMESTRE

MATEMATICAS FINANCIERAS

EJERCICIOS

QUE PRESENTA:

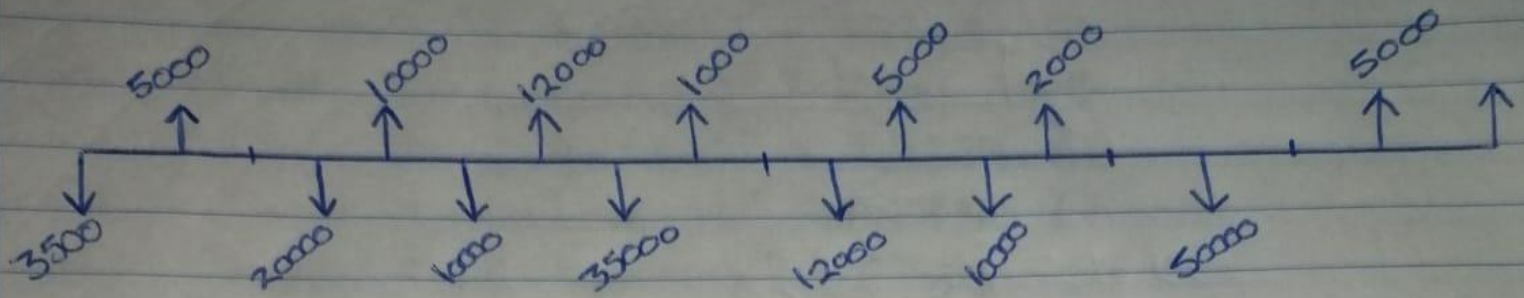
PRISCILA ALEJANDRA LÓPEZ GÓMEZ

DOCENTE:

JORGE ENRIQUE ALBORES AGUILAR

12 DE JUNIO DEL 2022

$i = 3.3\%$



$F_1 = 35000\ (1+0.033)^{18} = 62787.59$
$F_2 = 20000\ (1+0.033)^{15} = 32548.78$
$F_3 = 10000\ (1+0.033)^{13} = 15251.20$
$F_4 = 35000\ (1+0.033)^{11} = 50023.21$
$F_5 = 12000\ (1+0.033)^{8} = 15559.07$
$F_6 = 10000\ (1+0.033)^{6} = 12150.71$
$F_7 = 50000\ (1+0.033)^{3} = 55115.14$

243435.7
$- 57331.31$
186104.39

$F_1 = 5000\ (1+0.033)^{17} = 8683.11$
$F_2 = 10000\ (1+0.033)^{14} = 15754.49$
$F_3 = 12000\ (1+0.033)^{12} = 17716.79$
$F_4 = 1000\ (1+0.033)^{10} = 1383.57$
$F_5 = 5000\ (1+0.033)^{7} = 6275.84$
$F_6 = 2000\ (1+0.033)^{5} = 2352.51$
$F_7 = 5000\ (1+0.033)^{1} = 5165$

57331.31

$P_1 = 35000$

$P_2 = 20000 \div (1+0.033)^3 = 18143.83$

$P_3 = 10000 \div (1+0.033)^5 = 8501.55$

$P_4 = 35000 \div (1+0.033)^7 = 27884.68$

$P_5 = 12000 \div (1+0.033)^{10} = 8673.17$

$P_6 = 10000 \div (1+0.033)^{12} = 6773.23$

$P_7 = 5000 \div (1+0.033)^{15} = 30723.11$

135699.57

31958.46

103741.11

$P_1 = 5000 \div (1+0.033)^1 = 4840.27$

$P_2 = 10000 \div (1+0.033)^4 = 8782.10$

$P_3 = 12000 \div (1+0.033)^6 = 9875.95$

$P_4 = 1000 \div (1+0.033)^8 = 771.25$

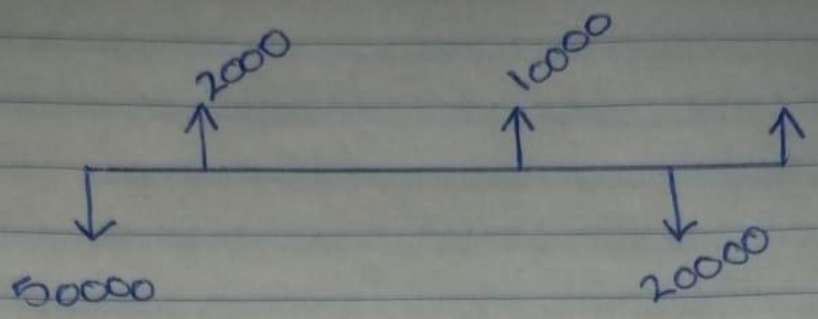
$P_5 = 5000 \div (1+0.033)^{11} = 3498.37$

$P_6 = 2000 \div (1+0.033)^{13} = 1311.37$

$P_7 = 5000 \div (1+0.033)^{17} = 2879.15$

31958.46

$i = 2\%$



$F_1 = 50000 \quad (1+0.02)^4 = 54121.60$
$F_2 = 20000 \quad (1+0.02)^1 = 20400$
74521.6
$- \ 12526.41$
61995.19

$F_1 = 2000 \quad (1+0.02)^3 = 2122.41$
$F_2 = 10000 \quad (1+0.02)^2 = 10404$
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