

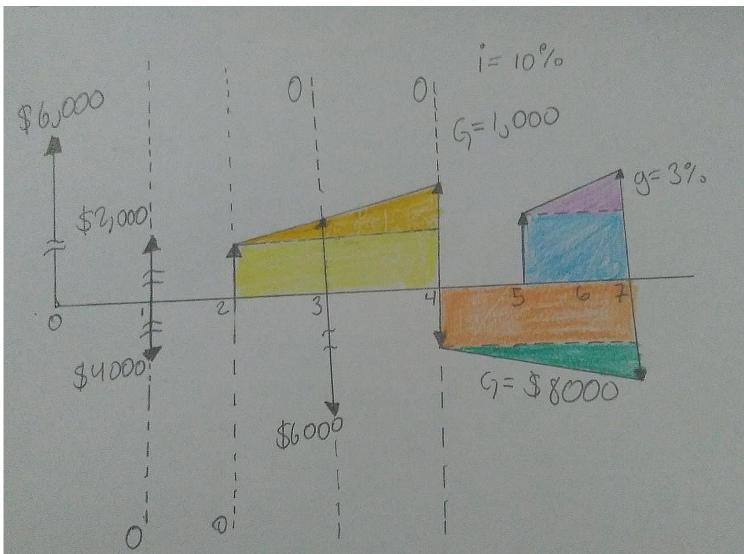
interpolar

$$\frac{F-F_1}{F_2-F_1} = \frac{X-X}{X_2-X_1}$$

$$\frac{12 \cdot 1}{12 \cdot 10 \cdot 10^{-0.35}} = \frac{2.8333 - 3.1568}{2.7637 - 3.1568}$$

$$\frac{i-0.35}{0.05} = 0.8229$$

2-



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Valor Presente Neto= ingresos- Egresos

VPN = VPi-VPE

VPi=4000(P/6,10%,1)+600(P/6,10%,3)+4,000(P/A,10%,4)(P/6,10%,3)
+8000(P/6,10%,3)(P/6,10%,4)

VPI=4,000(0.9091)+6000(0.7513)+4,000(3.1699)(0.7513)
+8000(2.3291)(0.6830)

VPI=3,636.4+4507.8+9526.18+1,272.62

VPI=18,943.00

VPE=600+2,000(P/6,10%,1)+2000(P/A,10%,3)(P/6,10%,1)+1000(P/6,10%,2)(P/6,10%,2)

+400n(5.357400457)(0.6830)

VPI=18,943.00
```

VPE=600+2,000(P/F,10%,1)+2000(P/A,10%,3)(P/F,10%,1)+1000(P/F,10%,2)(P/F,10%,2) +4000(2.557400457)(0.6830)

VPE = 60,000+ 2000 (0.9091) + 2,000 (2.4869)(0.9091) + 1000 (0.8264)(0.8264)

+4000(2.557400457)(0.6830) VPE=7818.2+4521.68+682.94+6986.82

VPE=20009.63

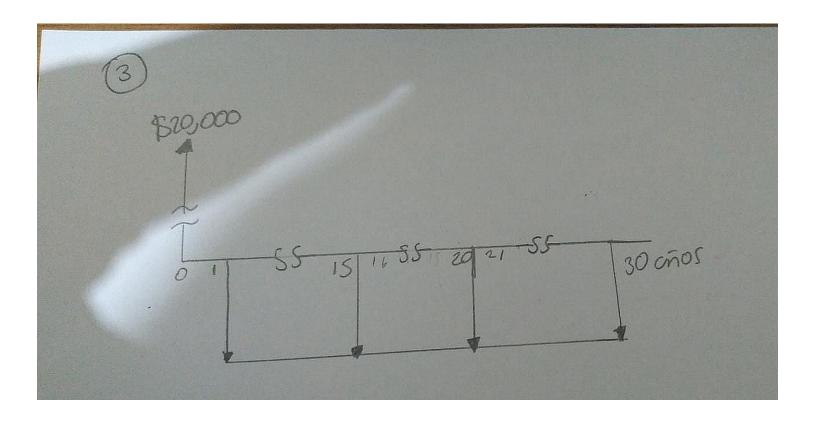
VPN=VPI-VPE

VPN=18943-20009.64

VPN= 5-1066-64

las operaciones propustos gneran pudidos de \$-1066.64 (7radinte) $1-(\frac{1+9}{1+i})^n$ $1-(\frac{1+0.03}{1+0.1})^3$ $1-(\frac{1+0.03}{1+0.1})$ 0.1-0.03 $1-(\frac{1.03}{1.1})$ 0.07 1-0.820931968 0.07 0.07 0.07 0.07 0.07

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(3)
$$P = A(P/A)i,n)$$

$$$20,000 = $2,500(9/A,i,n)$$

$$$20,000 = (P/A,i,n)$$

$$$20,000 = (P/A,$$

6)
$$P = A(P/A, i, n)$$

$$$ 20,000 = $ 2,500 (P/A, i, 20)$$

$$$ 20,000 = (P/A, i, 20)$$

$$$ 2,500$$

$$8 = (P/A, i, 20)$$

$$20,000 = (P/A, i, 20)$$

$$8 = (P/A, i, 20)$$

$$20,000 = (P/A, i, 20)$$

$$20,000 = 8.5136$$

$$10\% = 8.5136$$

$$11\% = 2.9633$$

$$1 = 0.10 = 8.8.5136$$

$$1.9\% = 2.9633$$

$$1 = 0.10 = 0.9333(0.01)$$

$$1 = 0.9333(0.01) + 0.10$$

$$1 = 0.9336$$

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$$\begin{array}{c} (0) \\ 520,000 \\ 82,500 \\ 8 = (P/A, i, 30) \\ 2000 \\ 8 = (P/A, i, 30) \\ 2000 \\ 20$$