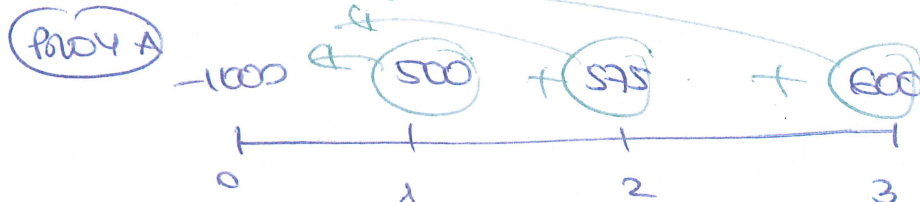


SUP 1-9 $K = 11\%$ anual



$$UANA = -1000 + 500(1.11)^{-1} + 575(1.11)^{-2} + 600(1.11)^{-3} = 355.85 > 0 \text{ ACEPTAR}$$

$$TIRA \quad 1000 = 500(1 + TIR)^{-1} + 575(1 + TIR)^{-2} + 600(1 + TIR)^{-3} \Rightarrow TIR = 29.86\%$$

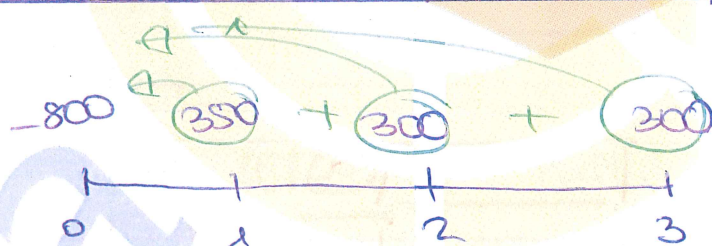
$$IRA = \frac{1000 + 355.85}{1000} = 1.36 > 1$$

PRODA

AÑO	FT DESCONTADO	ACUMULADO	PENDIENTE	PRODA
AÑO	$500(1.11)^{-1} = 450.45$	450.45	549.55	1
AÑO	$575(1.11)^{-2} = 466.68$	917.13	82.87	1
AÑO	$600(1.11)^{-3} = 438.71$	1000	0	$\frac{82.87}{438.71} = 0.19$

PRODA = 2.19
5 1

PROY B



$$UANB = -800 + 350(1.11)^{-1} + 300(1.11)^{-2} + 300(1.11)^{-3} = -21.84 < 0 \text{ RECHAZAR}$$

$$TIRB \quad 800 = 350(1 + TIR)^{-1} + 300(1 + TIR)^{-2} + 300(1 + TIR)^{-3} \Rightarrow TIR = 9.88\% < K$$

$$IRB = \frac{800 - 21.84}{800} = 0.97 < 1$$

3 0