Fichs 5 - Hatenatica Financeira

(1) [10 MIN]

F=P(1+i)^{M} = 10000 (1+0,14)^{2} = 13+434,744

(2) = 10,500?

40000 €

7

20000 €

7

20000 €

7

10000 €

7

10000 €

7

10000 €

7

10000 P=
$$f(1+i)^{M} = 10000(1+i)^{10}$$
 (2) $\frac{1}{100000} = 100000(1+i)^{10}$ (2) $\frac{1}{100000} = 100000(1+i)^{10} = 1000000(1+i)^{10} = 100000(1+i)^{10} = 1000000(1+i)^{10} = 100000(1+i)^{10} = 100000(1+i)^{10}$

A=f i = 100000 0.12 = 5698,4€ $(1+0,12)^{10}-1$

3

1=12%

٠

9 Let
$$p = \frac{\ln (9) \text{ Let, men}}{p} = \frac{127}{12} = 1\%$$

(ap. mensal

$$P = A \frac{(1 \pm i)^{N-1}}{i(1 \pm i)^{n}} = 38000 \frac{(1 \pm 0.08)^{25}}{0.08 (1 \pm 0.08)^{25}} = 405.641,5 \neq$$

14) D-200

El Calcular F2 e f3 e tren a diferença

 $100.000 = 15000 + 15000 (1+0,10) + 20000 (1+0,10)^2 + A (1+0,1)^3 + A (1+0,1)^4 (5)$ $(5) 1,4343 A = 54.834,7 (5) A = 38231 \in$

- a) (1+0,165)=(1+ief,seu) (3) ief,seu=7,94%.
- 6) (1tief)=(1t0,08)3(=) ief=25,97%
- c) (1t0,075) = (1tiet, seu) (=) iet, tern = 5,57%.

Trimestre	Capital divola	Pagamento	Jueo	Amortização	Capital dinda
1	15000€	21368,5	4.500	16868,5	133131,5
2	133/31,5	West.	3994		115.757
4	97861,21	. "	347271	17895,79	97861121
5	79428,5			184327	79428,5
6	60442,9			18985,6	60442,9
+	40887,7			20141,7	40887,7
8	20446		_ 1	20746	20746
	The programme of the control of the	The state of the s		***************************************	

a)
$$A=P$$
 $\frac{i(1+i)^{h}}{(1+i)^{h}} = 40000$. $\frac{0.12(1+0.12)^{4}}{(1+0.12)^{4}-1} = 13.169.4 £$

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Ficha 6
                                                Háquina B
                              Haquina A
                                               Ci = 35000€
   lef = 12%
                             Ci = 20000€
                              R=4000€
                                                R=3000€
                             G=400€
                                                C= 5000 £
                                                VR=12000€
                             C7=4000€
                                                 n = 10 aus
                              VR = 5000€
                               n = 10 aus
     CI RERERERER
             GRERRRRRR
   (3)
  VALA = -20000 - 14000. (1+0,12)-1 - 4000 (1+0,12) - 4000 (1+0,12) + 5000 (1+0,12) =-102.149,74€
  VALB=-35000 -3000 (1+0,12)10-1 -5000 (1+0,12) + 12000 (1+0,12)10=-50924,12€
(5) iq=6%
         25800 8000 (( .)_) t
     VALA=-4500 -3000 (4+0,06)8 - 2000 (1+0,06)3-2000 (1+0,06) +4500 (1+0,06) =-63895,2€
      Ag=-638752.0,006(410,06) = -10.287,48€/auc
    VALB=-25000-8000 (1+10,06)6-1 + 2500 (1+10,06)6=-625+6,2€
```

Ap=-625+6,2 006 (1+0,06)6=-12725,66 € aus
(1+0,06)6-1

Haquina A:

$$VAL = -85000 + 26000 \frac{(1+0/2)^{3}-1}{0,12(1+0,12)^{3}} + 18000 \frac{(1+0/2)^{3}-1}{0,12(1+0,12)^{3}} \cdot \frac{(1+0,12)^{3}}{0,12(1+0,12)^{3}} = 8219,98$$

$$FAE_{A} = 8.219,98 \cdot \frac{0,12(1+0,12)^{6}}{(1+0,12)^{6}-1} + 199931 \neq 10200$$

$$(1+0,12)^{6}-1$$

Haquina B:

$$VAL = -65000 + 10000 (1+0/12)^{1} + 20000 (1+0/12)^{2} + 20000 (1+0/12)^{3} + 40000 (1+0/12)^{4} = 6646,58$$

$$FAE_{B} = 6646,58 \frac{g_{1}12(1+0/12)^{4}}{(1+0/12)^{4}-1} = 2+88,28 \neq 10000$$

Maquina C: